

JAMECO[®]

ELECTRONICS

Three Levels of Choice

Three Levels of Savings

EXCLUSIVELY
AT JAMECO

GREATEST SAVINGS

GREATER SAVINGS

BELOW
MARKET PRICES

FRANCHISED
SOURCED*

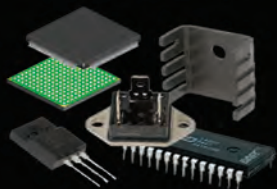
HOUSE
BRAND
NAMES

HOUSE
BRANDS

FACTORY OVERRUNS

Catalog 282 May 2008

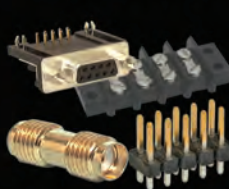
Semiconductors



Passives



Interconnects



Electromechanical



Power



CHOICE

Three Levels of Savings... Only at Jameco!

Sure, it's easy to find name-brand electronic components from reputable distributors. On the other hand, when you can only choose from several different manufacturers of the same part, all at about the same price level, you have to ask "what's the real difference, what's the real choice?"

At Jameco, we prefer to offer you a **real choice**. We're not about offering a multitude of brands of the same device, all at about the same price. Rather, we prefer to offer you a choice of product at different price points

that are suitable for your different needs.

We know your production purchase may require a product supplied from a franchised-source. That's why we offer a complete selection of **franchise-sourced*** brand-name products. When smaller runs are planned or a prototype is being developed, **generic** passives and special-buy semi's may increase savings. And in many cases, we know engineers are interested in maximizing their bottom line by purchasing **factory overruns** at the greatest possible savings. Only Jameco offers all three levels of choice and savings. It's a **Jameco Exclusive!**

Franchise Sourced* Offered at Below-Market Prices!

Jameco offers hundreds of well-known brand-name manufacturers from franchise sources*. So when your AVL demands, you can rest assured that we're able to meet your corporate buying requirements, both big and small.

We stand behind our industry-recognized low-price guarantee, so you know you're getting the lowest prices available! Just look for the **BLUE** highlighted products throughout the catalog! They're all from franchised sources, and all have great prices.

So if you haven't put Jameco at the top of your preferred vendor list, shouldn't you do it now?

House Brands & Brand Names at Greater Savings!

To help you save even more, we source equivalent products with the same form, fit and function. Our exclusive lines of **Jameco ValuePro®**, **ReliaPro®** and **BenchPro®** products carry our name for just one reason, we stand behind them!

These comparable-quality money-saving Jameco generic brands are offered at substantially reduced prices; typically 18-20% below brand names. Just look for the **YELLOW** highlighted products.

Jameco also offers brand-name

1-800-831-4242
www.Jameco.com

JAMECO
ELECTRONICS

See Details Inside

Three Levels of Choice
Three Levels of Savings

EXCLUSIVELY AT JAMECO

GREATER SAVINGS

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FRANCHISED SOURCED

HOUSE BRANDS

GREATEST SAVINGS

FACTORY OVERRUNS

Semiconductors Passives Interconnects Electromechanical Power

JAMECO

ValuePro

JAMECO

ReliaPro

JAMECO

BenchPro

products from non-franchise suppliers at about the same 18-20% savings as generics. Our buyers keep costs down through their trusted suppliers, allowing us to pass substantial savings on to you. These products are offered throughout the catalog and appear in white without color highlighting.

Factory Overruns for the Greatest Savings!

Interested in the greatest possible savings on first-rate brand-name products? Jameco buyers scour our reputable suppliers for factory overrun products. And when a lot is purchased, we'll put it in the catalog at the lowest possible price. You won't find a lower price anywhere for these quality products.

Just look for the **GREEN** highlighted items in the catalog. But don't wait too long; these special buys tend to sell fast!

Over 10 Times the Selection on the Web

Our catalog only presents a small sampling of the overall product selection we offer. Quite literally, you'll find over **10 times the selection on our web site**.

Don't see a manufacturer you need in this catalog? Chances are we have it on our web site at www.Jameco.com.

Expanded Product Categories in this Edition

Amplifiers	Frequency Control
Analog/Linear	Interface
Board-to-board	Lighting
Connectors	Magnetic
Capacitors	Memory
Circuit Protection	Opto
Communications	Peripheral
SPLD, CPLD, FPGA	Power
Data Conversion	Relays
Diodes	Resistors
Discrete	RF ICs
Embedded	RF Connectors
Processing	Sensors
Fans	Switches
Filters	Thermal Management

* "Franchise Sourced" means we always purchase these products from sources that are franchised by the manufacturer.

Three Levels of Savings... Another Jameco Exclusive!

	Franchise Sourced*	House Brands	Brand Names	Factory Overruns
Savings	Below Market Prices	Greater Savings		Greatest Savings
Typical Savings	Guaranteed Lowest Prices	18%-20% Below Market Prices		30% or More Below Market Prices
Product Type	Brand Name (Franchised-Sourced*)	Generic	Brand Name (Non-Franchised)	Brand Name (Non Franchised)
Offered by Other Catalog Distributors	Yes	No	??	No
Categories	Semi's, Passives Interconnects Electromechanical	Passives Interconnects Electromechanical	Semi's, Passives Interconnects Electromechanical	Semi's, Passives Interconnects Electromechanical

* "Franchise Sourced" means we always purchase these products from sources that are franchised by the manufacturer.

Identification Is Easy!

We've made it easy to identify the products you want. Each page has a color legend helping you identify the product type.

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED*	GENERIC & NON-FRANCHISED	JAMECO HOUSE BRANDS	FACTORY OVERRUN

BLUE highlights indicate franchise-sourced brand-name products, **YELLOW** indicates our Jameco ValuePro and ReliaPro house brands and **GREEN** the factory overruns. Generics and non-franchised brands appear in white without color highlighting.

Real Savings — Real Choice — Real Value

So rather than offering multiple choices of a single class of major brand names, all at about the same price, Jameco offers you a **real choice** unavailable from other distributors. A choice of **brand-name products** at below-market prices, Jameco **generic brands** and non-franchised brand names at even greater savings and **factory overruns** at the greatest savings. Real choices, guaranteed savings and the security of buying from Jameco in every purchase!

More Datasheets and Specs at www.Jameco.com!

In addition to loading our web site with new products, we've literally added tens of thousands of new datasheets and other product documents to our web site. So when you bring up the specs for products we offer, you'll likely find one or more datasheets for that product as well. You'll also have access to millions of data specs on our web site, so you can more easily find the products best suited to your requirements.

So take another look at www.Jameco.com today. With parametric filtering, hundreds of thousands of cross-references and more free datasheets, you'll find the products and information you need faster!

JAMECO ELECTRONICS Great Products. Awesome Prices. You'll Be Smiling Too!

Welcome! You are at: Home >> ICs & Semiconductors >> Microcontrollers >> Microchip PIC Series

Log On | My Products | References | Cart & Checkout | Order History

PRODUCT SEARCH ADVANCED New Parametric Search Filter

Now you can select products based on individual product attributes! Simply choose the product attributes you want from any of the columns below. Currently 52 items found. Press Update Filter to update the screen based on your choices. Press Display Items to see the list of items you have selected. Reset Filter clears all of your selections allowing you to restart the process.

TO QUICK ORDER: Multiple items may be selected in each column by simply holding the control key down as you click.

Jameco Catalog Part #	Qty	Package	ROM Words	RAM (bytes)	Speed (MHz)	Memory	ADC Channels	Address Bus Width	Bit Size	Clock/Crystal Freq-Max (Mhz)	DAC Channels	DMA Channels	External Data Bus Width	Microcont
DIP-14	256	34	4	EPROM	NO	0	16	10	NO	NO	0	16	MICROCONT	
DIP-18	512	35	10	Flash	YES	16	8	16	16	16	16	16	RISC MICROCONT	
DIP-20	768	36	16	OTP		20	10	20	20	20	20	20		
DIP-28	1k	41	20			24	16	24	24	24	24	24		
DIP-40	2k	64	24			25	16	25	25	25	25	25		
DIP-8	4k	68	25			33	16	33	33	33	33	33		
PLCC-44	7k	72	33			4	16	4	4	4	4	4		
PLCC-68	8k	73	40			4.2	16	4.2	4.2	4.2	4.2	4.2		
PLCC-84	12k	80	40			40	16	40	40	40	40	40		
SOIC-14	16k	96	40				16							

*Note: More products are being added to our line daily and may not have parametric data loaded. Select these items by solely choosing "More Prods"

Update Filter Display Items Reset Filter

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PRICES Prices are effective 4-7-08. Prices and discounts are subject to change without notice.

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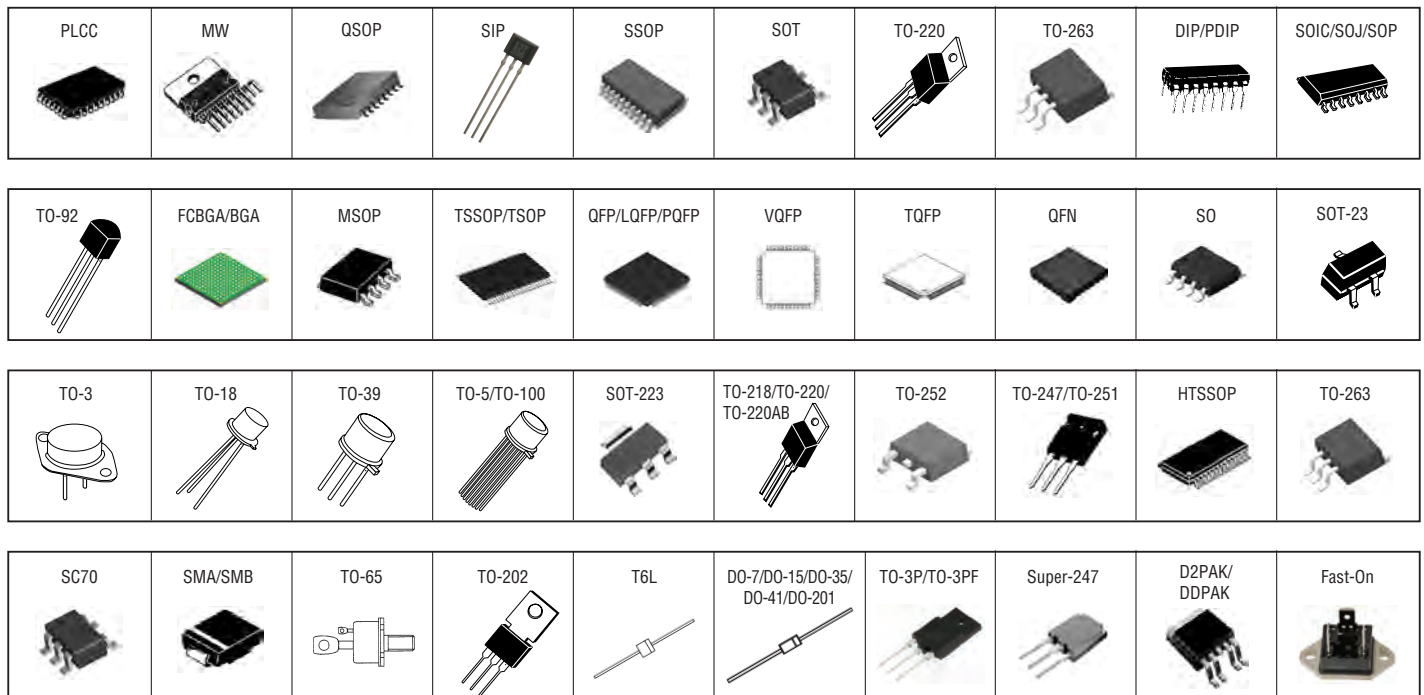
Additional ICs are available online at www.Jameco.com/Semiconductors

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74FCT.....	WEB	DDR SDRAM.....	7 +WEB	MicroMonitor.....	WEB	Supervisory.....	13 +WEB
74HC.....	8-9 +WEB	Decoder/Encoder Chips.....	15 +WEB	Microcontrollers.....	3-4 +WEB	Switching Regulators.....	17 +WEB
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Please refer to datasheets at www.Jameco.com for more detailed illustrations and specifications

Additional Microcontrollers are available online at www.Jameco.com/Semiconductors

MICROCHIP PIC Microcontrollers

NEW
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QUANTITY
SAVE

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
145111	PIC16F84-04/P	DIP-18	Flash	4	1k	68	13	\$6.59	\$4.39
145120	PIC16F84-10/P	DIP-18	Flash	10	1k	68	13	7.65	6.49
223790	PIC12F629-1/P	DIP-8	Flash	20	1k	64	6	1.49	1.25
223781	PIC12F675-1/P	DIP-8	Flash	20	1k	64	6	1.69	1.07
312514	PIC12F683-1/P	DIP-8	Flash	20	4k	128	6	2.19	2.05
312531	PIC16F54-1/P	DIP-18	Flash	20	512	25	12	1.79	1.73
193439	PIC16F627-20/P	DIP-18	Flash	20	1k	224	16	3.55	2.32
193447	PIC16F628-20/P	DIP-18	Flash	20	2k	224	16	3.49	2.77
246756	PIC16F628-20/P	DIP-18	Flash	20	2k	224	16	3.35	3.17
223749	PIC16F630-1/P	DIP-14	Flash	20	1k	64	12	1.89	1.42
247142	PIC16F648A-1/P	DIP-18	Flash	20	4k	256	16	3.59	2.69
223757	PIC16F676-1/P	DIP-14	Flash	20	1k	64	12	1.29	1.23
312590	PIC16F684-1/P	DIP-14	Flash	20	2k	128	12	2.45	1.62
312611	PIC16F688-1/P	DIP-14	Flash	20	4k	256	12	2.19	1.95
312670	PIC16F737-1/SP	DIP-28	Flash	20	4k	368	25	6.15	4.63
223765	PIC16F818-1/P	DIP-18	Flash	20	1k	128	16	3.39	1.93
223773	PIC16F819-1/P	DIP-18	Flash	20	2k	256	16	3.85	2.89
193332	PIC16F84A-20/P	DIP-18	Flash	20	1k	68	13	5.59	4.66
246861	PIC16F84A-20/P	DIP-18	Flash	20	1k	68	13	6.39	4.79
246879	PIC16F84A-20/SO	SOIC-18	Flash	20	1k	68	13	5.85	5.65
246895	PIC16F870-1/SP	DIP-28	Flash	20	2k	128	22	4.79	3.59
246941	PIC16F872-1/SP	DIP-28	Flash	20	2k	128	22	4.05	2.86
246975	PIC16F873A-1/SP	DIP-28	Flash	20	4k	192	22	6.29	5.50
246991	PIC16F874A-1/P	DIP-40	Flash	20	4k	192	33	7.39	6.00
193367	PIC16F876-20/SP	DIP-28	Flash	20	256	368	22	5.39	5.35
247011	PIC16F876A-1/SP	DIP-28	Flash	20	8k	368	22	7.35	4.37
176882	PIC16F877-20/P	DIP-40	Flash	20	256	368	33	9.29	8.05
247046	PIC16F877A-1/L	PLCC-44	Flash	20	8k	368	33	8.95	6.71
247038	PIC16F877A-1/P	DIP-40	Flash	20	8k	368	33	7.25	5.29
247097	PIC16F87-1/P	DIP-18	Flash	20	4k	368	16	3.85	2.99
312733	PIC16F88-1/P	DIP-18	Flash	20	7k	368	16	4.15	3.05
248111	PIC18F1320-1/P	DIP-18	Flash	40	4k	256	16	4.89	3.38
312303	PIC18F2525-1/SP	DIP-28	Flash	40	48k	3986	25	8.89	7.98
247994	PIC18F252-1/SP	DIP-28	Flash	40	16k	1536	23	8.79	6.59
248049	PIC18F452-1/L	PLCC-44	Flash	40	16k	1536	34	10.35	9.14
248031	PIC18F452-1/P	DIP-40	Flash	40	16k	1536	34	9.75	7.31
248057	PIC18F458-1/P	DIP-40	Flash	40	16k	1536	34	10.69	6.66
145040	PIC12C508A-04/P	DIP-8	OTP	4	512	25	5	1.49	.99
144258	PIC12C509A-04/P	DIP-8	OTP	4	1k	41	5	1.49	1.09
128338	PIC16C54A-04/P	DIP-18	OTP	4	512	25	12	1.45	1.09
193341	PIC16C57C-04/P	DIP-28	OTP	4	2k	72	20	3.05	1.97
193359	PIC16C711-04/P	DIP-18	OTP	4	1k	68	13	3.25	2.43

AMEL Microcontrollers

NEW
MARKED IN PINK

QUANTITY
SAVE

Part No.	Product No.	Pkg.	Description	1	25
248330	ATMEGA8-16PI	DIP-28	8-bit MCU, 8kB flash, 16MHz, 23 I/O	\$5.05	\$4.05
323133	ATMEGA16-16PI	DIP-40	8-bit MCU, 16kB flash, 16MHz, 32 I/O, I-temp	6.49	4.08
248170	ATTINY12-8PC	DIP-8	8-bit MCU, 1kB flash, 8MHz, 6 I/O	1.85	1.56
765302	ATTINY13-20PI	DIP-8	8-bit MCU, 1kB flash, 20MHz, 6 I/O, I-temp	1.39	1.29
689039	ATTINY2313V-10PU	DIP-20	8-bit MCU, 2kB flash, 10MHz, 18 I/O, I-temp	2.19	1.75
1537061	ATTINY2313-20PU	DIP-20	8-bit AVR [®] MCU, 2k flash, 18 I/O, 20MHz, I-temp	2.25	2.03
847578	ATTINY2313-20SI	SOIC-20	8-bit AVR [®] MCU, 2k flash, 18 I/O, 20MHz, I-temp	2.09	1.91
248217	ATTINY26-16PC	DIP-20	8-bit MCU, 2kB flash, 16MHz, 16 I/O	2.05	1.54
323141	ATMEGA8515-16PC	DIP-40	8-bit MCU, 8kB flash, 16MHz, 35 I/O	4.59	3.44
168874	AT89C2051-24PC	DIP-20	8-bit MCU, 2kB flash, 24MHz, 15 I/O	2.29	1.70
204089	AT89C4051-24PC	DIP-20	8-bit MCU, 4kB flash, 24MHz, 15 I/O	2.15	1.78
168911	AT89C51-24JC	PLCC-44	8-bit MCU, 4kB flash, 24MHz, 32 I/O	4.55	4.07
168903	AT89C51-24PC	DIP-40	8-bit MCU, 4kB flash, 24MHz, 32 I/O	4.95	4.35
168920	AT89C52-24PC	DIP-40	8-bit MCU, 8kB flash, 24MHz, 32 I/O	3.45	2.85
355830	AT89S51-24PC	DIP-40	8-bit MCU, 4kB flash, 33MHz, 32 I/O	2.09	1.58
220871	AT89S52-24JI	PLCC-44	8-bit MCU, 8kB flash, 33MHz, 32 I/O, I-temp	1.65	1.29
662637	AT89S52-24PC	DIP-40	8-bit MCU, 8kB programmable flash	2.15	1.62
168946	AT89C55WD-24PC	DIP-40	8-bit MCU, 20kB flash, 24MHz, 32 I/O	6.59	5.75
204097	AT89S8252-24PC	DIP-40	8-bit MCU, 8kB flash, 24MHz, 32 I/O	6.95	6.25


For Texas Instruments Microcontrollers visit www.Jameco.com

 This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

 RoHS compliant product
  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.
 [Details on page 175.](#)

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	BRAND NAME	SUPPLIERS VARY	FACTORY OVERRUN

For more Microcontrollers visit www.Jameco.com/Semiconductors

Semiconductors

KAE Smart Serial Adapter

Serial Converter/Stand Alone Host Controller

- Supports USB or RS232 serial interface
- Up to 32 NMC PIC-SERVO, PIC-STEP, PIC-I/O modules can be controlled from a single smart serial adapter
- RS232 operation supports baud rates from 19,200 to 115,200
- Supports Windows[®], LINUX, Mac[®] OS, and other operating systems
- Maybe used as a stand alone host w/ either the simple sequencer chip or a PIC 18F2620 MCU
- On board connector for MICROCHIP MPLAB ICD2



Part No.	Product No.	Description	1	Price
1586120	KAE-SSA45-BDV1	Smart serial adapter	.....	\$99.95

AMEL AT91R MCUs

Part No.	Product No.	Pkg.	Description	1	10
1012935	AT91R400008-66AU	TQFP-100	256kb pri. SRAM, 32-bit data bus, 32 prog I/O	\$12.65	\$11.99
846137	AT91SAM-ICE	—	JTAG emulator	286.25	252.49

NXP/PHILIPS MCUs

NEW
MARKED IN PINK

Part No.	Product No.	Pkg.	Description	1	10
699552	P80C31SBPN	DIP-40	8-bit, 128 x 8 RAM, LV (2.7-5.5V), LP, hi-spd (33MHz)	\$2.25	\$2.18
699579	P80C32SBPN	DIP-40	8-bit, 256 x 8 RAM, LV (2.7-5.5V), LP, hi-spd (33MHz)	2.79	2.29
699667	P87C51SBPN	DIP-40	8-bit, 4k x 8 OTP, LV (2.7-5.5V), LP, hi-spd (33MHz)	2.89	2.32
699675	P87C52SBAA	PLCC-44	8-bit, 8k x 8 OTP, LV (2.7-5.5V), LP, hi-spd (33MHz)	3.25	2.60
917687	PCF8583PN	DIP-8	Clock calendar w/ 240 x 8 RAM	3.45	3.14
917716	PCF8583TD	SOIC-8	Clock calendar w/ 240 x 8 RAM	2.19	2.13

DALLAS SEMICONDUCTOR 80C MCU Series

Part No.	Product No.	Pkg.	Description	1	10
114403	DS80C320-MCG	DIP-40	High speed LP micro	\$12.09	\$9.27

TEXAS INSTRUMENTS Digital Signal Processors

Part No.	Product No.	Pkg.	Description	1	10	100
1105550	TMS320VC5410APGE16	LQFP-144	Fixed point DSP	\$43.89	\$41.69	\$39.60
1119038	TPS75003RHILT	QFN-20	Tri supply pwr mgmt IC for FPGA&DSP	★	Call	Call

★ Please call or visit our website for minimum order quantity and pricing

Z80 MPUs

QUANTITY
SAVE

Part No.	Product No.	Pkg.	Description	1	10	100
35561	Z80★	DIP-40	2.5MHz CPU (MK3880N/780C)	\$1.95	\$1.65	\$1.43
35596	Z80A★	DIP-40	4MHz CPU (MK3880N-4/780C-1)	1.99	1.79	1.59
35609	Z80A-CTC★	DIP-28	4MHz counter timer circuit (MK3882-4)	2.45	2.19	1.97
35625	Z80A-DART★	DIP-40	4MHz dual asynchronous receiver/trans	3.49	3.19	2.89
35641	Z80A-PIO★	DIP-40	4MHz parallel I/O interf. contr. (MK3881-4)	1.99	1.79	1.61
35668	Z80A-SIO/O★	DIP-40	4MHz serial I/O (Tx/CB & Rx/CB bond.) MK3884-4	2.19	1.79	1.59
35705	Z80B	DIP-40	6MHz CPU (MK3880N-6)	2.59	2.39	2.09
280428	Z8018006VSC	PLCC-68	Z180 MPU, MMU, DMA, UART, INTC	10.05	7.57	5.13
35781	Z84C00-4	DIP-40	4MHz CPU (Z84C0004PEC) CMOS	4.99	4.59	3.75
280516	Z84C0008PEC	DIP-40	Z80 CPU with 3 mode int., 16 regs.	4.69	4.12	2.80
61786	Z85C3008PS	DIP-40	Serial communications controller	5.55	4.72	3.54

★ Pull = Extra Savings

6500 Series

QUANTITY
SAVE

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43191	6502★	DIP-40	CPU, 8-bit, 1MHz	\$5.75	\$4.89	\$4.16
43166	65C02★	DIP-40	CPU, 8-bit, 1MHz	5.95	4.45	3.10
43254	6522★	DIP-40	Versatile interface adapter, 1MHz	4.05	3.25	2.95
43297	6532	DIP-40	RAM I/O timer, 1MHz	7.95	6.99	6.49
43318	6551	DIP-28	Asynch. comm. interface adapter, 1MHz	3.95	3.36	2.52

★ Pull = Extra Savings

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Place your order by 6PM EST for same business-day shipment.

Additional Microprocessors are available online at www.Jameco.com/Semiconductors

6800/68000 CMOS

NEW
HARRIS 80-PIN

Part No.	Product No.	Pkg.	Description	1	10	100
248604	MC68HC11E1CFN3	PLCC-52	MCU, 8-bit, 38 I/O, 3MHz	\$10.65	\$8.70	\$7.86
248583	MC68HC11F1CFN3	PLCC-68	MCU, 8-bit, 30 I/O, 3MHz	11.39	9.18	8.27
248647	MC68HC705C8ACFN	PLCC-44	MCU, 8-bit, 31 I/O, 4MHz	9.35	8.95	7.95
108919	MC68HC705C8P	DIP-40	MCU, 8-bit, 24 I/O, 4MHz	9.95	8.95	8.02
132530	MC68HC705J1ACP	DIP-20	MCU, 8-bit, 14 I/O, 4MHz	3.85	2.45	2.07
793750	MC68HC705J1ACPE	DIP-20	MCU, 8-bit, 14 I/O, 4MHz	3.69	3.01	2.67
248575	MC68HC711E9CFN2	PLCC-52	MCU, 8-bit, 38 I/O, 2MHz	18.99	16.40	15.30

6800/68000 N-MOS

QUANTITY SAVE

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43481	6800★	DIP-40	CPU, 8-bit, 5V, 2MHz	\$6.95	\$5.25	\$3.65
43502	6802	DIP-40	CPU, 8-bit, 5V, 1MHz	9.85	8.87	7.99
43529	6803★	DIP-40	CPU, 8-bit, 5V, 1MHz	7.79	6.99	6.29
43537	MC6808	DIP-40	CPU, 8-bit, 7V, 1MHz	7.65	6.50	4.88
43545	6809E★	DIP-40	CPU, 8-bit, 7V, 1MHz	4.39	3.99	3.61
320590	68B09E	DIP-40	CPU, 8-bit, 7V, 2MHz	4.75	4.04	3.03
43561	6810	DIP-24	SRAM, 1K-bit, 5V, 1MHz	3.55	3.18	2.87
43596	6821★	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	3.95	3.59	3.25
43414	68B21★	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	4.95	4.49	4.05
43617	6840	DIP-28	Programmable timer, 16-bit, 5V, 6MHz	2.49	2.25	1.99
43633	6850★	DIP-24	Asynch. comm. int. adptr, 8-bit, 7V, 1MHz	4.39	3.88	3.27
25304	MC68000L8★	DIP-64	CPU, 16-bit, 7V, 8MHz	10.05	8.90	8.12
25291	MC68000L10★	DIP-64	CPU, 16-bit, 7V, 10MHz	13.45	11.49	9.55
25363	MC68705P3S	DIP-28	MCU, 8-bit, 20 I/O, 4MHz	24.95	22.95	20.65
25371	MC68705U3S	DIP-40	MCU, 8-bit, 20 I/O, 4MHz	26.95	22.94	20.65

★ Pull = Extra Savings ✦ Refurbished = Backed by Jameco

8000 N-MOS

QUANTITY SAVE

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
51844	8031★	DIP-40	MCU, 8-bit, 32 I/O, 8MHz	\$3.45	\$3.15	\$2.80
102197	8032	DIP-40	CPU, 8-bit, 32 I/O, 12MHz	3.95	3.59	3.25
51861	8035★	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	3.95	3.59	3.25
51959	8039★	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	4.49	3.82	2.86
51983	8049★	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	3.09	2.74	2.49
51991	8051AP★	DIP-40	MCU, 8-bit, 27 I/O, 11MHz	5.49	4.99	4.49
52046	8080A★	DIP-40	CPU, 8-bit, 32 I/O, 1MHz	5.25	4.62	4.20
52062	8085AH★	DIP-40	CPU, 8-bit, 16 I/O, 3MHz	5.69	5.12	4.55
52071	8085AH-2★	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	5.49	4.99	4.49
52100	8086-2★	DIP-40	CPU, 8-bit, 32 I/O, 8MHz	1.95	1.75	1.59
52142	8088★	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	2.49	2.25	1.99
52169	8088-2★	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	5.95	5.39	4.85
34358	UPD70108-8★	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	10.99	9.34	7.01
52290	8155	DIP-40	I/O port timer, 2K-bit, 3MHz	4.49	3.82	2.87
52302	8155-2★	DIP-40	Static MOS RAM, 2K-bit, 3 I/O, 5MHz	5.95	5.39	4.85
52468	8212★	DIP-24	I/O port timer, 8-bit, 3MHz	6.49	5.99	5.49
52492	8224	DIP-16	Clock generator/driver	2.95	2.49	2.25
52513	8228	DIP-28	System contr./bus driver	3.69	3.19	2.36
52581	8243★	DIP-24	I/O expander	5.49	4.94	3.71
52644	8251✦	DIP-28	USART	2.99	2.69	2.39
52652	8251A★	DIP-28	USART	4.09	3.80	3.49
52679	8253★	DIP-24	Prog. interval timer, 2MHz	3.19	2.89	2.59
52687	8253-5✦	DIP-24	Prog. interval timer, 2MHz	4.99	4.49	3.99
52708	8254★	DIP-24	Prog. interval timer, 8MHz	4.79	4.27	3.84
52716	8254-2★	DIP-24	Prog. interval timer, 8MHz	9.19	7.81	5.86
52724	8255★	DIP-40	CPU peripheral, 2MHz	4.49	3.99	3.49
52732	8255A-5★	DIP-40	CPU peripheral, 5MHz	4.89	4.39	3.05
291805	8255AC-5✦	DIP-40	CPU peripheral, 4MHz	5.59	5.05	3.79
52759	8256★	DIP-40	UART	19.99	17.99	16.19
52775	8259★	DIP-28	Prog. interrupt controller	1.75	1.55	1.45
52783	8259-5★	DIP-28	Prog. interrupt controller	2.49	2.19	1.99
52839	8279★	DIP-40	CPU peripheral, 5MHz	12.99	11.99	10.99
52847	8279-5★	DIP-40	CPU peripheral, 5MHz	12.95	11.69	10.49
52855	8282★	DIP-20	Octal latch bus driver	5.69	4.84	3.63

* 8049 (ROM not available for use) Tie pin 7 high to bypass the internal ROM to convert 8049 to 8039

** Tie pin 31 low to bypass the internal ROM ★ Pull = Extra Savings ✦ Refurbished = Backed by Jameco

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♻ RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

8000 N-MOS (Continued)

QUANTITY SAVE

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
52871	8284A★	DIP-18	Clock generator/driver, 8MHz	\$4.69	\$4.19	\$3.77
52898	8286	DIP-20	Octal bus transceiver	4.09	3.73	3.38
52901	8287	DIP-20	Octal bus transceiver	10.19	9.26	6.95
53014	8742	DIP-40	MCU, 8-bit, 18 I/O, 12MHz	13.99	11.93	10.51
53022	8748✦	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	15.89	14.32	12.66
53031	8748H✦	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	17.69	16.11	14.44
53057	8749H✦	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	24.39	20.67	16.92
53081	8751H✦	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	21.25	18.06	15.35

★ Pull = Extra Savings ✦ Refurbished = Backed by Jameco

8000 CMOS

QUANTITY SAVE

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
51676	80C31★	DIP-40	MCU, 8-bit, 32 I/O, 24MHz	\$2.99	\$2.42	\$1.45
108804	80C32-1★	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	4.49	3.85	2.89
51692	80C39★	DIP-40	MCU, 8-bit, 27 I/O, 11MHz	3.59	3.23	2.91
125647	80C52BASIC	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	32.75	29.47	26.51
51705	80C85A-2	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	7.25	6.54	4.91
52193	81C55★	DIP-40	I/O port timer, 2K-bit, 3MHz	4.49	3.59	3.19
52370	82C51A★	DIP-28	USART	3.95	3.50	3.04
52388	82C53-5	DIP-24	Prog. interval timer, 8MHz	3.65	3.10	2.64
52396	82C54	DIP-24	Prog. interval timer, 8MHz	5.05	4.29	3.22
52409	82C54-2	DIP-24	Prog. interval timer, 10MHz	4.49	4.05	3.59
52417	82C55A	DIP-40	CPU peripheral, 5MHz	4.99	4.49	3.99
52425	82C55A-5	DIP-40	CPU peripheral, 5MHz	4.59	4.07	3.56
52978	87C51✦	DIP-40	MCU, 8-bit, 32 I/O, 33MHz	21.99	18.69	17.49
196120	P87C51	DIP-40	MCU, 8-bit, 32 I/O, 24MHz	5.09	4.62	4.20

★ Pull = Extra Savings ✦ Refurbished = Backed by Jameco



Ethernet Physical Layer

Part No.	Product No.	Pkg.	Description	1	10
1266290	DP83848NV/NOPB	QFP-48	Single port 10/100Mbps trans., I-temp	\$6.09	\$4.65
1921661	DP83848CV/NOPB	QFP-48	Single port 10/100Mbps trans., C-temp	4.85	4.57



Networking/Ethernet Controllers

Part No.	Product No.	Pkg.	Description	1	10
1920415	AM79C874VC	QFP-80	NetPHY™ -1 LP 10/100 TX/FX ethernet trans., C-temp	\$9.99	\$9.48
1920423	AM79C874V	QFP-80	NetPHY™ -1 LP 10/100 TX/FX ethernet trans., I-temp	9.99	9.48
1920431	AM79C973BKCW	QFP-160	PCnet™ -FAST III 10/100 ethernet controller	23.65	22.45
1920440	AM79C973BVCW	TQFP-176	PCnet™ -FAST III 10/100 ethernet controller	24.85	23.60

Voice Chips

Single-Chip Voice Record/Playback Devices

- Manual switch or microprocessor controllable
- Directly cascadable for longer durations
- Single voltage operation: +5V (4.5V to 5.5V operating range)
- Typical 100k record cycles, 1µA standby current and 100 year message retention
- Playback can be edge or level-activated
- 28-pin DIP



Part No.	Product No.	Description	1	10	50
141671	ISD1110P	Voice record/playback (10 sec.)	\$5.95	\$5.35	\$4.85
141655	ISD25120P	Voice record/playback (120 sec.)	12.95	11.65	10.49

PARALLAX 50MIPS SX Microcontroller

Part No.	Product No.	Description	1	10	100
162931	SX28AG/DP	DIP-28 50MIPS SX microcontroller	\$4.99	\$4.89	\$4.79



80C52-Basic Microcontroller

A custom-masked microcontroller with a full-featured 8k-byte ROM-resident BASIC-52 interpreter. 256 x 8-bit RAM.

- Full BASIC interpreter in ROM on a single chip
- Operates DC to 12MHz
- "Stand-alone" software development
- On-chip oscillator and clock circuit
- Interrupts can be handled by BASIC or Assembly Language

Part No.	Product No.	Description	1	10	100
125647	80C52BASIC	40-pin CPU 8-bit CMOS w/ BASIC interpreter	\$32.75	\$29.47	\$26.51

Additional ICs are available online at www.Jameco.com/Semiconductors

PARALLAX


BASIC Stamp

See page 139 for
Serial LCD Modules

Ideal for controller applications including robotics, radio-controlled interfaces of a digital camera, and much more. The BS2-IC has 16 I/O lines. Each can be connected directly to buttons, LEDs, registers, and many other TTL level devices.

- Current draw @ 5V: 8mA run/100µA
- Volts required: 5-15VDC
- 24-pin DIP
- Microcontroller: PIC16C57
- Program speed: 4000/sec.
- Size: 1.2"L x 0.6"W


Includes: Embedded BASIC plus instruction sets; basic interpreter, EEPROM (non-volatile), a resonator and 5V regulator

Part No.	Product No.	1	10
130892	BS2-IC- 	\$48.55	\$43.56

PARALLAX 50MHz BASIC Stamp 2SX Module

- Program execution speed: 10,000 instructions/sec.
- Current draw @ 5V: 60mA run; 200µA sleep
- Volts required: 5-12 VDC
- RAM size: 32 bytes
- Scratch pad RAM: 64 bytes
- Microcontroller: Ubicom SX28AC




Part No.	Product No.	No. of I/O Pins	1	10
159775	BS2SX-IC 24-pin 	16 + 2 serial	\$58.39	\$55.49

PARALLAX BASIC Stamp 2P Modules
































In addition to the BS2-SX (above) features, these modules include commands for HD44780 compatible LCDs, Dallas Semiconductor 1-wire and Philips I2C parts.

- Program execution speed: 12,000 instructions/sec.
- RAM size: 38 bytes (12 I/O, 26 variable)
- Voltage requirements: 5-12VDC
- Current draw @ 5V: 40mA run; 400µA sleep
- Scratch pad RAM: 128 bytes

Part No.	Product No.	No. of I/O Pins	1	10
184911	BS2P24-IC 24-pin 	16 + 2 serial	\$78.25	\$74.30
184920	BS2P40-IC 40-pin	32 + 2 serial	88.15	83.71

ST EPROMs

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Part No.	Product No.	Pkg.	Config.	Description	1	10	100
698349	M27C64A-20F6 	FDIP-28	8k x 8	200ns, 5V (±10%), I-temp	\$4.35	\$4.15	\$3.80
698322	M27C64A-15F1 	FDIP-28	8k x 8	150ns, 5V (±10%), C-temp	4.95	4.30	3.21
698111	M27C256B-15F1 	FDIP-28	32k x 8	150ns, 5V, C-temp	3.05	2.68	1.99
698091	M27C256B-12F1 	FDIP-28	32k x 8	120ns, 5V, C-temp	3.79	3.28	3.09
698103	M27C256B-12F6 	FDIP-28	32k x 8	120ns, 5V, I-temp	3.05	2.67	1.99
698082	M27C256B-10F1 	FDIP-28	32k x 8	100ns, 5V, C-temp	3.09	2.68	1.99
698138	M27C256B-90F6 	FDIP-28	32k x 8	90ns, 5V, I-temp	2.25	2.21	1.98
698120	M27C256B-70XF1 	FDIP-28	32k x 8	70ns, 5V (±5%), C-temp	2.25	2.22	1.99
698234	M27C512-15F1 	FDIP-28	64k x 8	150ns, 5V, C-temp	3.39	3.17	2.95
698226	M27C512-12F1 	FDIP-28	64k x 8	120ns, 5V, C-temp	2.85	2.67	2.55
698218	M27C512-10F1 	FDIP-28	64k x 8	100ns, 5V, C-temp	3.19	2.79	2.08
698285	M27C512-90B6 	PDIP-28	64k x 8	90ns, 5V, I-temp	1.12	1.09	1.01
698306	M27C512-90F1 	FDIP-28	64k x 8	90ns, 5V, C-temp	2.65	2.59	2.51
698314	M27C512-90F6 	FDIP-28	64k x 8	90ns, 5V, I-temp	2.79	2.50	2.33
698251	M27C512-45XF1 	FDIP-28	64k x 8	45ns, 5V (±5%), C-temp	2.35	2.31	2.07
697987	M27C1001-15F1 	FDIP-32	128k x 8	150ns, 5V, C-temp	2.79	2.74	2.45
697961	M27C1001-12F1 	FDIP-32	128k x 8	120ns, 5V, C-temp	3.79	3.34	2.46
697936	M27C1001-10B1 	PDIP-32	128k x 8	100ns, 5V, C-temp	2.35	2.01	1.77
697944	M27C1001-10F1 	FDIP-32	128k x 8	100ns, 5V, C-temp	3.79	3.30	2.46
698007	M27C1001-70F1 	FDIP-32	128k x 8	70ns, 5V, C-temp	3.79	3.30	2.46
394708	AC27C010-70PI 	DIP-32	128k x 8	70ns, 5V, I-temp, OTP	1.49	1.40	1.33
698031	M27C2001-12F1 	FDIP-32	256k x 8	120ns, 5V, C-temp	5.49	4.72	4.45
698023	M27C2001-10F1 	FDIP-32	256k x 8	100ns, 5V, C-temp	3.85	3.76	3.36
698200	M27C4002-12F1 	FDIP-40	256k x 16	120ns, 5V, C-temp	7.75	7.62	6.81
1391293	M27C4002-10CI 	PLCC-44	256k x 16	100ns, 5V, C-temp	4.55	3.95	2.95
698197	M27C4002-10F1 	FDIP-40	256k x 16	100ns, 5V, C-temp	7.75	7.62	6.81
698171	M27C4001-15F1 	FDIP-28	512k x 8	150ns, 5V, C-temp	6.05	5.51	4.57
698154	M27C4001-12F1 	FDIP-28	512k x 8	120ns, 5V, C-temp	5.19	5.11	4.75
698146	M27C4001-10F1 	FDIP-28	512k x 8	100ns, 5V, C-temp	5.19	5.11	4.57
698189	M27C4001-80XF1 	FDIP-28	512k x 8	80ns, 5V (±5%), C-temp	6.05	5.51	4.57
698357	M27C801-100F1 	FDIP-32	1M x 8	100ns, 5V (±10%), C-temp	6.79	6.25	5.75

◆ This product typically requires two additional days to ship. Please request "ship partial" if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

 RoHS compliant product

 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

EPROMs

QUANTITY
SAVE

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
39909	2708✚	DIP-24	1k x 8	450ns, 5V	\$5.99	\$5.15	\$3.83
33611	TMS2716✚	DIP-24	2k x 8	450ns, 5V	2.25	1.99	1.79
40002	2716✚	DIP-24	2k x 8	450ns, 5V	4.09	3.69	3.29
308662	2716A-2	DIP-24	2k x 8	200ns, 5V	5.19	4.41	3.31
40011	2716-1✚	DIP-24	2k x 8	350ns, 5V	6.49	5.89	5.39
265931	27C16-200	DIP-24	2k x 8	200ns, 5V	3.99	3.39	2.54
265965	27C16-150	DIP-24	2k x 8	150ns, 5V	6.15	5.20	3.90
40096	2732✚	DIP-24	4k x 8	450ns, 5V	7.39	6.25	4.78
39765	27C32✚	DIP-24	4k x 8	450ns, 5V	6.59	5.94	5.34
40133	2732A-45✚	DIP-24	4k x 8	450ns, 5V	3.99	3.69	3.29
33591	TMS2532✚	DIP-24	4k x 8	450ns, 5V	3.99	3.59	3.19
114876	2732B✚	DIP-24	4k x 8	450ns, 5V	4.19	3.79	3.39
40125	2732A-25✚	DIP-24	4k x 8	250ns, 5V	4.99	4.49	3.99
40109	2732A-20✚	DIP-24	4k x 8	200ns, 5V	6.49	5.99	5.49
265990	27C32-200	DIP-24	4k x 8	200ns, 5V	5.99	4.99	3.99
266001	27C32-150	DIP-24	4k x 8	150ns, 5V	6.99	5.99	4.99
40205	2764-25✚	DIP-28	8k x 8	250ns, 5V	4.75	4.30	3.85
40248	2764A-25✚	DIP-28	8k x 8	250ns, 5V	3.99	3.69	3.09
39845	27C64-25✚	DIP-28	8k x 8	250ns, 5V	4.05	3.65	3.40
40192	2764-20✚	DIP-28	8k x 8	200ns, 5V	5.59	5.08	4.55
40230	2764A-20✚	DIP-28	8k x 8	200ns, 5V	4.49	4.09	3.69
74608	27C64-20✚	DIP-28	8k x 8	200ns, 5V	4.15	3.60	2.70
39829	27C64-15✚	DIP-28	8k x 8	150ns, 5V	3.95	3.63	3.10
105304	27C64-12✚	DIP-28	8k x 8	120ns, 5V	3.29	2.98	2.71
266036	27C64-100	DIP-28	8k x 8	100ns, 5V	4.09	3.59	2.69
39933	27128-25✚	DIP-28	16k x 8	250ns, 5V	4.95	4.45	4.19
39984	27128A-25✚	DIP-28	16k x 8	250ns, 5V	4.59	4.17	3.76
39685	27C128-25✚	DIP-28	16k x 8	250ns, 5V	4.25	3.81	3.49
39968	27128A-20✚	DIP-28	16k x 8	200ns, 5V	4.39	3.90	3.54
101101	27C128-20✚	DIP-28	16k x 8	200ns, 5V	4.39	3.95	3.56
39950	27128A-15✚	DIP-28	16k x 8	150ns, 5V	4.05	3.60	3.25
87935	27C128-12✚	DIP-28	16k x 8	120ns, 5V	4.89	4.16	3.14
266061	27C128-100	DIP-28	16k x 8	100ns, 5V	4.39	3.86	3.50
149665	27C128-70	DIP-28	16k x 8	70ns, 5V	4.89	4.16	3.12
40061	27256-25✚	DIP-28	32k x 8	250ns, 5V	3.19	2.99	2.69
39731	27C256-25✚	DIP-28	32k x 8	250ns, 5V	3.85	3.59	3.23
40045	27256-20✚	DIP-28	32k x 8	200ns, 5V	3.39	2.96	2.69
39722	27C256-20✚	DIP-28	32k x 8	200ns, 5V	3.15	2.99	2.63
40037	27256-15✚	DIP-28	32k x 8	150ns, 5V	3.45	3.25	2.93
39714	27C256-15✚	DIP-28	32k x 8	150ns, 5V	2.09	1.79	1.59
65904	27C256-12✚	DIP-28	32k x 8	120ns, 5V	2.09	1.99	1.79
112740	27C256-10✚	DIP-28	32k x 8	100ns, 5V	2.95	2.80	2.35
266079	27C256-55	DIP-28	32k x 8	55ns, 5V	4.15	3.93	3.18
39802	27C512-25✚	DIP-28	64k x 8	250ns, 5V	6.19	5.88	5.59
40150	27512-20✚	DIP-28	64k x 8	200ns, 5V	2.69	2.39	2.19
39790	27C512-20✚	DIP-28	64k x 8	200ns, 5V	3.75	3.47	3.11
39781	27C512-15✚	DIP-28	64k x 8	150ns, 5V	2.29	2.05	1.79
39773	27C512-12✚	DIP-28	64k x 8	120ns, 5V	2.15	2.04	1.69
131959	27C512-10✚	DIP-28	64k x 8	100ns, 5V	3.19	3.04	2.27
175206	27C512-90✚	DIP-28	64k x 8	90ns, 5V	1.85	1.76	1.66
203625	27C512-70	DIP-28	64k x 8	70ns, 5V	2.69	2.37	1.79
118148	27C1024-15	DIP-40	64k x 16	150ns, 5V	5.29	4.79	4.39
203641	27C1024-12	DIP-40	64k x 16	120ns, 5V	6.15	5.24	3.93
39669	27C010-20✚	DIP-32	128k x 8	200ns, 5V	2.09	1.87	1.54
39651	27C010-15✚	DIP-32	128k x 8	150ns, 5V	2.15	1.84	1.38
74624	27C010-12✚	DIP-32	128k x 8	120ns, 5V	2.25	1.91	1.43
79231	27C010-10✚	DIP-32	128k x 8	100ns, 5V	2.09	1.75	1.60
146149	27C010-70✚	DIP-32	128k x 8	70ns, 5V	2.49	2.29	2.09
266095	27C010-55	DIP-32	128k x 8	55ns, 5V	2.39	2.35	1.86
65699	27C020-15✚	DIP-32	256k x 8	150ns, 5V	5.29	4.99	4.49
78852	27C020-12✚	DIP-32	256k x 8	120ns, 5V	3.75	3.35	2.95
156267	27C020-10	DIP-32	256k x 8	100ns, 5V	2.85	2.65	2.07
127933	27C4096-12	DIP-40	256k x 16	120ns, 5V	6.59	5.60	4.20
85462	27C040-15✚	DIP-32	512k x 8	150ns, 5V	5.05	4.35	3.75
102293	27C040-12✚	DIP-32	512k x 8	120ns, 5V	5.05	4.35	3.75

EPROMs, OTP/PROMs, EEPROMs & Flash Memory

3 LEVELS OF SAVINGS			
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Additional EPROMs & EEPROMs are available online at www.Jameco.com/Semiconductors

EPROMs (Continued)

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Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
111780	27C040-10	DIP-32	512k x 8	100ns, 5V	\$5.05	\$4.35	\$3.75
266124	27C040-70	DIP-32	512k x 8	70ns, 5V	4.99	4.40	3.29
266132	27C040-55	DIP-32	512k x 8	55ns, 5V	5.05	4.75	3.56
140003	27C080-12	DIP-32	1M x 8	120ns, 5V	10.05	9.50	8.50
156275	27C080-10	DIP-32	1M x 8	100ns, 5V	7.79	7.40	7.03
203684	27C080-90	DIP-32	1M x 8	90ns, 5V	10.85	9.22	6.92

♣ Refurbished = Backed by Jameco

ATMEL OTP EPROMs

Please Note: Manufacturer may vary

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
1011326	AT27C256R-70JU	PLCC-32	32k x 8	70ns, 5V, I-temp	\$2.09	\$1.99	\$1.75
1011351	AT27C256R-70PI	PDIP-28	32k x 8	70ns, 5V, I-temp	1.45	1.27	1.13

EPROM Accessory

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Description	1	5
13864	CF2	Conductive foam (12" x 24" x .25") hard black	\$9.75	\$8.77

OTP/PROMs

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**QUANTITY
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Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
48717	74S288	DIP-16	32 x 8	256-bit, 5V, 25ns, PROM	\$8.95	\$8.05	\$7.25
27844	N82S23	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	5.99	5.39	4.89
27764	N82S123	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	11.39	10.92	10.38
48696	74S287	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	12.95	11.65	9.95
48805	74S387	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	3.15	2.56	2.22
27781	N82S129	DIP-16	256 x 4	1-kbit, 7V, 50ns, PROM	10.55	10.02	8.79
27810	N82S181	DIP-24	1k x 8	8-kbit, 7V, 70ns, PROM	8.95	8.05	7.25
27836	N82S191	DIP-24	2k x 8	16-kbit, 7V, 35ns, PROM	9.15	7.99	7.29
394986	AT27C256R-45PI	DIP-28	32k x 8	256-kbit, 45ns OTP, LP, I-temp	2.59	2.30	1.73
266255	27C256-15	PLCC-32	32k x 8	256-kbit, 5V, 150ns, OTP	1.15	1.05	.91
395081	AT27C512R-70PI	DIP-28	64k x 8	512-kbit, 5V, 70ns, I-temp., OTP	1.99	1.89	1.79
203692	27C512-12	DIP-28	64k x 8	512-kbit, 5V, 100ns, OTP	2.09	1.78	1.33
394708	AT27C010-70PI	DIP-32	128k x 8	1-Mbit, 5V, 70ns, I-temp., OTP	1.49	1.40	1.33

ATMEL EEPROM

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
845054	AT28C256-15PI	DIP-28	32k x 8	Paged parallel, 5V, I-temp.	\$11.99	\$11.75	\$11.39

ST EEPROMs

**QUANTITY
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Part No.	Product No.	Pkg.	Config.	Description	1	10	100
1393643	M93C66-WMNGP	SOIC-8	512 x 8	2.5-5.5V, 4k microwire serial, I-temp	★	Call	Call
1474101	M9526-WMNGTP	SOIC-8	32k x 8	2.5-5.5V, 256-kbit serial SPI bus	1.99	1.69	1.27

★ Please call or visit our website for minimum order quantity and pricing

CATALYST For Catalyst Serial/Parallel EEPROMs visit www.Jameco.com

MICROCHIP For Microchip Serial EEPROMs visit www.Jameco.com - Keyword: Microchip

EEPROMs

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**QUANTITY
SAVE**

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
102058	93C46	DIP-8	64 x 16	3-wire serial, 2-5V	\$3.33	\$3.30	\$2.22
200598	93C66	DIP-8	256 x 16	3-wire Serial, 2-5V	.33	.28	.21
108847	24C04P	DIP-8	512 x 8	2-wire serial, 2-5V	.71	.60	.45
200547	24C08-10	DIP-8	1k x 8	2-wire serial, 2-5V	.79	.68	.51
200555	24C16-10	DIP-8	2k x 8	2-wire serial, 5V	1.29	1.10	.83
276699	28C16	SOIC-24	2k x 8	Page parallel, 5V	2.79	2.29	1.99
74691	28C16A-25	DIP-24	2k x 8	Page parallel, 5V	3.99	3.69	2.77
276701	28C17	DIP-28	2k x 8	Page parallel, 5V	3.85	3.27	2.45
40416	2817A-25	DIP-28	2k x 8	Page parallel, 5V	7.15	6.45	5.85
74827	28C64A-25	DIP-28	8k x 8	Page parallel, 5V	4.45	3.80	3.65
40475	2865A	DIP-28	8k x 8	5V	4.95	4.49	4.05
200580	24C256-10	DIP-8	32k x 8	2-wire serial, 2-5V	2.35	1.90	1.70
74878	28C256-25	DIP-28	32k x 8	Page parallel, 5V	8.25	7.01	5.26
74843	28C256-15	DIP-28	32k x 8	Page parallel, 5V	8.99	7.65	5.75
276832	24C512	DIP-8	64k x 8	2-wire serial, 2-5V	2.15	2.08	1.91
276912	24C102	DIP-8	128k x 8	2-wire serial, 2.7-5V	6.65	5.18	4.77

♣ This product typically requires two additional days to ship. Please request "ship partial" if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 175

NXP / PHILIPS Controller Interface

NEW
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Part No.	Product No.	Pkg.	Description	1	10	100
1495965	ISP1520BD	LQFP-64	Hi-speed universal serial bus contrl	\$5.25	\$4.19	\$4.05
699780	PCA82C250N	DIP-8	Can controller interface, I-temp	1.39	1.11	1.07
699798	PCA82C250TD	SOIC-8	Can controller interface, I-temp	1.25	1.19	1.13
918938	SJA1000TD	SOIC-28	Stand alone controller	5.15	4.69	4.22

NXP / PHILIPS I²C SMBus

NEW
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Part No.	Product No.	Pkg.	Description	1	10	100
1350037	PCA9544APW	TSSOP-20	4-bit I ² C multiplexer w/ interrupt logic, I-temp	\$2.39	\$2.14	\$2.00
1452156	PCA9548APW	TSSOP-24	8-ch I ² C switch w/ reset, I-temp	2.09	1.69	1.47
699819	PCA9554D	SOIC-16	8-bit I ² C SMBus, I/O port w/ interrupt, I-temp	1.31	1.23	1.14
1351831	PCF8574ATD	SOIC-16	Remote 8-bit I/O expander, I-temp	2.05	1.65	1.43
1352091	PCF8574TD	SOIC-16	Remote 8-bit I/O expander, I-temp	2.05	1.65	1.43
1352374	PCF8575TSD	SSOP-24	Remote 16-bit I/O expander for I ² C bus	2.39	1.94	1.69

ALTERA

For Altera Configuration Devices visit www.Jameco.com - Keyword: Altera

ATMEL Flash Memory

Part No.	Product No.	Pkg.	Config.	Description	1	10	100
845302	AT29C512-90J	PLCC-32	64k x 8	90ns, 5V, I-temp.	\$2.19	\$1.86	\$1.68
845185	AT29C010A-90JC	PLCC-32	128k x 8	90ns, 5V, Com.-temp.	3.05	2.11	1.89
763032	AT29C040A-15TC	TSOP-32	512k x 8	150ns, 5V, Com.-temp.	5.09	4.75	4.46

ATMEL

For Atmel Data Flash Memory visit www.Jameco.com - Keyword: Atmel

SPANSION

Page Mode Flash

Part No.	Product No.	Pkg.	Config.	Description	Temp.	1	10	100
1913071	S29GL128N90TFR20	TSOP-56	16M x 16	90ns, 128MB, 3.0-3.6VCC	I	\$14.35	\$12.92	\$12.12
1913223	S29GL512N11FAI010	FBGA-64	32M x 16	110ns, 512MB, 2.7-3.6VCC	I	21.29	20.10	18.96

SPANSION

3V Boot Block Flash

Part No.	Product No.	Pkg.	Config.	Description	Temp.	1	10	100
1839457	AM29LV200BB-70ED	TSOP-48	256k x 8	70ns, 2MB, 2.7-3.6VCC bott sector	C	\$2.45	\$2.26	\$2.06
1839211	AM29LV040B-70EF	TSOP-32	512k x 8	70ns, 4MB, 2.7-3.6VCC unif. sector	I	2.79	2.59	2.37
1839203	AM29LV040B-70EC	TSOP-32	512k x 8	70ns, 4MB, 2.7-3.6VCC unif. sector	C	3.55	3.17	3.00
1838930	AM29LV040BB-90ED	TSOP-40	512k x 8	90ns, 4MB, 3V bottom sector	C	3.05	2.84	2.60
1839393	AM29LV081B-70ED	TSOP-40	1M x 8	70ns, 8MB, 2.7-3.6VCC unif. sector	C	3.85	3.58	3.27
1839001	AM29LV080BB-90ED	TSOP-40	1M x 8	90ns, 8MB, 2.7-3.6VCC bott sector	C	3.55	3.31	3.03
1839414	AM29LV081B-90ED	TSOP-40	1M x 8	90ns, 8MB, 2.7-3.6VCC unif. sector	C	3.45	3.22	2.95
1926391	S29AL008D90TFI020	TSOP-48	1M x 8	90ns, 8MB, 3V bottom boot	I	1.75	1.65	1.57
1912642	S29AL032D70TFI040	TSOP-48	4M x 8	70ns, 32MB, 2.7-3.6VCC bott boot	I	3.99	3.64	3.31
1926438	S29AL032D90TFI040	TSOP-48	4M x 8	90ns, 32MB, 3V bottom boot	I	4.19	3.95	3.77
1926446	S29AL032D90TFI040	TSOP-48	4M x 8	90ns, 32MB, 3V bottom boot	I	4.19	3.95	3.77
1839318	AM29LV065D120REF	TSOP-48	8M x 8	120ns, 64MB, 3-5VIO unif. sector	I	19.59	18.35	16.77

SPANSION

5V Boot Block Flash

Part No.	Product No.	Pkg.	Config.	Description	Temp.	1	10	100
1837718	AM29F010B-45JD	PLCC-32	128k x 8	45ns, 1MB, 5V unif. sector	C	\$2.59	\$2.39	\$2.18
1837793	AM29F010B-70JF	PLCC-32	128k x 8	70ns, 1MB, 5V unif. sector	I	2.15	2.01	1.83
1837849	AM29F010B-70PF	PDIP-32	128k x 8	70ns, 1MB, 5V unif. sector	I	2.59	2.29	1.75
1837881	AM29F010B-90JF	PLCC-32	128k x 8	90ns, 1MB, 5V unif. sector	I	2.09	1.95	1.79
1837911	AM29F010B-90PD	PDIP-32	128k x 8	90ns, 1MB, 5V unif. sector	C	2.05	1.89	1.72
1837689	AM29F010B-120PD	PDIP-32	128k x 8	120ns, 1MB, 5V unif. sector	C	2.15	2.01	1.83
1838147	AM29F040B-55JF	PLCC-32	512k x 8	55ns, 4MB, 5V unif. sector	I	2.99	2.79	2.55
1920280	AM29F040B-70JC	PLCC-32	512k x 8	70ns, 4MB, 5V unif. sector	C	2.39	2.24	2.13
1920301	AM29F040B-90JC	PLCC-32	512k x 8	90ns, 4MB, 5V unif. sector	C	2.39	2.24	2.13
1920319	AM29F040B-90JI	PLCC-32	512k x 8	90ns, 4MB 5V unif. sector	I	2.39	2.24	2.13
1838260	AM29F040B-90PD	PDIP-32	512k x 8	70ns, 4MB 5V unif. sector	C	2.45	2.26	2.06
1838622	AM29F400BB-90SF	SOIC-44	512k x 8	90ns, 4MB, 5V bottom sector	I	2.99	2.80	2.57
1920271	AM29F040B-120JC	PLCC-32	512k x 8	120ns, 4MB, 5V unif. sector	C	2.39	2.24	2.13
1838091	AM29F040B-120JF	PLCC-32	512k x 8	120ns, 4MB, 5V unif. sector	I	2.55	2.37	2.17
1838481	AM29F800BT-70ED	TSOP-48	1M x 8	70ns, 8MB, 5V top sector	C	4.05	3.76	3.44
1920351	AM29F800BB-90EC	TSOP-48	1M x 8	90ns, 8MB, 5V bottom sector	C	3.99	3.79	3.62
1838796	AM29F800BB-90SC	SOIC-44	1M x 8	90ns, 8MB, 5V bottom sector	C	3.35	3.19	3.03
1838016	AM29F016D-90E4D	TSOP-40	2M x 8	90ns, 16MB, 5V unif. sector	C	6.25	5.84	5.34
1920255	AM29F016D-90EI	TSOP-48	2M x 8	90ns, 16MB, 5V unif. sector	I	5.85	5.53	5.27
1838041	AM29F032B-90EF	TSOP-40	4M x 8	90ns, 32MB, 5V unif. sector	I	11.75	10.94	10.00


Additional Flash Memory are available online at www.Jameco.com/Semiconductors


SPANSION Flash Memory

Part No.	Product No.	Pkg.	Config.	Description	Temp.	1	10	100
1839537	AM29LV641DH90REF	TSOP-48	4M x 16	90ns, 64MB, 3.0-5VIO unit. sec hi add		\$20.49	\$19.20	\$17.55
1920407	AM29LV641DL90RE	TSOP-48	4M x 16	90ns, 64MB, 3V uninit. sector		19.15	18.18	17.33
1926551	S29JL064H90TAI000	TSOP-48	4M x 16	90ns, 64M, 3V simultaneous		9.15	8.69	8.29
1926526	S29GL512N11FFI010	FBGA-64	32M x 16	110ns, 512MB, 2.7-3.6V		25.29	24.05	22.92

Flash Memory

Part No.	Product No.	Pkg.	Config.	Description	Temp.	1	10	100
1471242	M25P40-VMN6P	SOIC-8	512k x 8	2.3-3.6V, LV serial w/ 50MHz SPI intf, I-temp		\$2.75	\$2.45	\$2.15
811444	M29F40B70K6E	PLCC-32	512k x 8	70ns, 5V, uniform block		2.45	2.21	1.99
1392456	M29W800B70N6E	TSOP-49	1M x 8	80ns, 2.3-3.6V bottom boot, 70ns, I-temp		2.99	2.86	2.59
697928	M25P32-VMME6G	MLP-8	4M x 8	2.7-3.6V, LV serial w/ 50MHz SPI intf, I-temp		4.15	3.99	3.65

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 For Renesas Flash Memory visit www.Jameco.com - Keyword: Renesas

Flash Memory

Part No.	Cross Ref.	Pkg.	Config.	Description	Temp.	1	10	100
74771	28F010-15	DIP-32	128k x 8	150ns, 5V		\$5.49	\$4.12	\$3.66
242587	29F010-120	DIP-32	128k x 8	120ns, 5V		3.95	3.65	3.15
242595	29F010-90	DIP-32	128k x 8	90ns, 5V		5.35	4.34	3.26
242608	29F010-70	DIP-32	128k x 8	70ns, 5V		6.09	5.18	3.89
74835	28F020-15	DIP-32	256k x 8	150ns, 5V		9.55	8.58	7.74
242616	29F020-12	DIP-32	256k x 8	120ns, 5V		5.99	5.86	4.39
242659	29F040-120	DIP-32	512k x 8	120ns, 5V		8.95	8.65	8.25
242667	29F040-90	DIP-32	512k x 8	90ns, 5V		9.05	8.60	8.15

MICRON DDR/DDR2 SDRAM

Part No.	Product No.	Pkg.	Config.	Description	Temp.	1	10	100
699122	MT46V16M16TG-6T:F	TSOP-66	16M x 16	133MHz, 6ns, C-temp		\$7.65	\$7.25	\$6.89
1925363	MT47H16M16BG-5E:B	FBGA-84	16M x 16	400MHz, 5ns, C-temp (DDR2)		12.95	12.23	11.62
699202	MT46V32M16TG-6T:F	TSOP-66	32M x 16	133MHz, 6ns, C-temp		13.35	12.69	12.06
1925380	MT47H32M16CC-3:B	FBGA-84	32M x 16	167MHz, 3ns, C-temp (DDR2)		15.85	14.98	14.23

MICRON SDRAM

Part No.	Product No.	Pkg.	Config.	Description	Temp.	1	10	100
699368	MT48LC2M32B2TG-6:G	TSOP-86	2M x 32	166MHz, 6ns, C-temp		★	Call	
699376	MT48LC2M32B2TG-7IT:G	TSOP-84	2M x 32	143MHz, 5.5ns, I-temp		4.55	4.26	
699499	MT48LC4M16A2TG-7E:G	TSOP-54	4M x 16	143MHz, 7.5ns, C-temp		2.89	2.83	
699456	MT48LC4M16A2TG-75IT:G	TSOP-54	4M x 16	100MHz, 7.5ns, I-temp		4.35	4.07	
1925451	MT48LC4M32B2F5-7IT:G	FBGA-90	4M x 32	143MHz, 7ns, I-temp		15.35	14.50	
1925478	MT48LC4M32B2P-6:G	TSOP-86	4M x 32	166MHz, 6ns, C-temp		11.25	10.63	
1925494	MT48LC4M32B2TG-6:G	TSOP-86	4M x 32	166MHz, 6ns, C-temp		11.25	10.63	
1925515	MT48LC8M16A2P-75:G	TSOP-54	8M x 16	133MHz, 7.5ns, C-temp		7.55	7.13	
699296	MT48LC16M16A2TG-75IT:D	TSOP-54	16M x 16	133MHz, 7.5ns, I-temp		10.09	9.61	

★ Please call or visit our website for minimum order quantity and pricing

Legacy DRAM

Part No.	Cross Ref.	Pkg.	Config.	Description	Temp.	1	10	100
41662	4164-150	DIP-16	64k x 1	150ns (MCM6665-15)		\$1.02	\$0.92	\$0.84
41574	41464-10★	DIP-18	64k x 4	100ns (HY53C464S-10)		1.69	1.65	1.59
41398	41256-120	DIP-16	256k x 1	120ns (MB81256-12)		.73	.62	.47
42315	514256P-80	DIP-20	256k x 4	80ns (UPD424256-80)		2.49	2.25	2.05
93374	514256P-70	DIP-20	256k x 4	70ns (TC514256P-70)		2.79	2.49	2.19
128688	HM514260	SOJ	256k x 16	70ns		3.39	3.05	2.75

★ Pull = Extra Savings

Legacy Memory Module

Part No.	Cross Ref.	Capacity	Description	Config.	Pins	1	10
41751	421000A9B-70	1MB	70ns SIMM	1M x 9	30	\$3.95	\$2.95

Static RAM

Part No.	Product No.	Pkg.	Config.	Description	Temp.	1	10	100
1927473	AS6C6264-55PCN	PDIP-28	8k x 8	64k LP, 55ns, 2.7V - 5.5V, C-temp		\$2.75	\$2.45	
1927537	AS6C6264-55SCN	SOP-28	8k x 8	64k LP, 55ns, 2.7V - 5.5V, C-temp		2.65	2.35	
1927676	AS7C164-15JCN	SOJ-28	8k x 8	64k, 15ns, 5V, C-temp		2.09	1.85	
1927414	AS6C62256-55PCN	PDIP-28	32k x 8	256k LP, 55ns, 2.7V - 5.5V, C-temp		2.75	2.45	
1927422	AS6C62256-55SCN	SOP-28	32k x 8	256k LP, 55ns, 2.7V - 5.5V, C-temp		2.75	2.45	
1927721	AS7C256A-20JCN	SOJ-28	32k x 8	256k, 12ns, 5V, C-temp†		2.09	1.85	
1927801	AS7C256A-10TCN	TSOP-28	32k x 8	256k, 12ns, 5V, C-temp†		2.09	1.85	
1927730	AS7C3256A-15JCN	SOJ-28	32k x 8	256k, 12ns, 3.3V, C-temp†		2.09	1.85	
1927810	AS7C3256A-10TCN	TSOP-28	32k x 8	256k, 12ns, 3.3V, C-temp†		2.09	1.85	
1927852	AS7C3513B-12JCN	SOJ-44	32k x 16	512k, 12ns, 5V, C-temp		3.45	3.09	
1927879	AS7C3513B-12TCN	TSOP-44	32k x 16	512k, 12ns, 5V, C-temp		3.45	3.09	
1927836	AS7C513B-15JCN	SOJ-44	32k x 16	512k, 12ns, 5V, C-temp		3.45	3.09	
1927861	AS7C513B-12TCN	TSOP-44	32k x 16	512k, 12ns, 5V, C-temp		3.45	3.09	
1927799	AS7C1026B-12JCN	SOJ-44	64k x 16	1M, 12ns, 5V, C-temp		3.45	3.09	
1927844	AS7C1026B-12TCN	TSOP-44	64k x 16	1M, 12ns, 5V, C-temp		3.45	3.09	
1927828	AS7C1026B-10JCN	SOJ-44	64k x 16	1M, 12ns, 3.3V, C-temp		3.45	3.09	
1927887	AS7C1026B-12TCN	TSOP-44	64k x 16	1M, 12ns, 3.3V, C-temp		3.45	3.09	
1927457	AS6C1008-55PCN	PDIP-32	128k x 8	1M LP, 55ns, 2.7V - 5.5V, C-temp		3.19	2.85	
1927465	AS6C1008-55SIN	SOP-32	128k x 8	1M LP, 55ns, 2.7V - 5.5V, I-temp		2.75	2.45	
1927490	AS7C1024B-12JCN	SOJ-32	128k x 8	1M, 12ns, 5V, C-temp		3.45	3.09	
1927668	AS7C1024B-12TCN	TSOP-32	128k x 8	1M, 12ns, 5V, C-temp		3.45	3.09	
1927692	AS7C1025B-15JCN	SOJ-32	128k x 8	1M, 12ns, 5V, C-temp††		3.45	3.09	
1927772	AS7C1025B-15TCN	SOJ-32	128k x 8	1M, 12ns, 5V, C-temp††		3.45	3.09	
1927529	AS7C31024B-15JCN	SOJ-32	128k x 8	1M, 12ns, 3.3V, C-temp		3.99	3.55	
1927633	AS7C31024B-12TCN	TSOP-32	128k x 8	1M, 12ns, 3.3V, C-temp		3.99	3.55	
1927684	AS7C31024B-12TCN	SOJ-32	128k x 8	1M, 12ns, 3.3V, C-temp		3.99	3.55	
1927748	AS7C31025B-12JCN	SOJ-32	128k x 8	1M, 12ns, 3.3V, C-temp††		3.45	3.09	
1927781	AS7C31025B-15TCN	SOJ-32	128k x 8	1M, 12ns, 3.3V, C-temp††		3.45	3.09	
1927959	AS7C34098A-12JCN	SOJ-44	256k x 16	4M, 12ns, 3.3V, C-temp		6.69	5.95	
1927975	AS7C34098A-12TCN	TSOP-44	256k x 16	4M, 12ns, 3.3V, C-temp		6.69	5.95	
1927941	AS7C4098A-12JCN	SOJ-44	256k x 16	4M, 12ns, 5V, C-temp		6.69	5.95	
1927967	AS7C4098A-12TCN	TSOP-44	256k x 16	4M, 12ns, 5V, C-temp		6.69	5.95	
1927924	AS7C34096A-12JCN	SOJ-36	512k x 8	4M, 12ns, 3.3V, C-temp		6.69	5.95	
1927983	AS7C34096A-12TCN	TSOP-44	512k x 8	4M, 12ns, 3.3V, C-temp		6.69	5.95	
1927916	AS7C4096A-20JCN	SOJ-36	512k x 8	4M, 12ns, 5V, C-temp		6.69	5.95	
1927932	AS7C4096A-12TCN	TSOP-44	512k x 8	4M, 12ns, 5V, C-temp		6.69	5.95	
1927617	AS6C4008-55PCN	PDIP-32	512k x 8	4M LP, 55ns, 2.7V - 5.5V, C-temp		5.99	5.39	
1927625	AS6C4008-55SIN	SOP-32	512k x 8	4M LP, 55ns, 2.7V - 5.5V, I-temp		5.49	4.89	
1927650	AS6C4008-55TIN	TSOP-32	512k x 8	4M LP, 55ns, 2.7V - 5.5V, I-temp		5.49	4.89	
1927641	AS6C4008-55TIN	TSOP-32	512k x 8	4M LP, 55ns, 2.7V - 5.5V, I-temp		5.49	4.89	

† Common I/O †† Center power & ground

Static RAM

Part No.	Product No.	Pkg.	Config.	Description	Temp.	1	10	100
861388	CY7C136-55JC	PLCC-52	2k x 8	55ns, dual port SRAM, C-temp		\$5.89	\$5.40	\$4.99
1921346	CY6264-70SNXC	SOIC-28	8k x 8	70ns, 64kB, 5V ppwr SRAM		4.05	3.79	3.60
1921320	CY62256NLL-70PXC	DIP-28	32k x 8	70ns, 256kB, 5V ppwr SRAM		2.95	2.78	2.64
1921240	CY62128ELL-45SXI	SOIC-32	128k x 8	45ns, 1MB, 5V ppwr SRAM		3.39	3.19	3.03
1921389	CY7C1041DV33-10ZSXI	TSOP-44	256k x 16	4MB, 3.3V asynch. SRAM		5.95	5.63	5.35
1182395	CY62148EJ30L-45SXI	SOIC-32	512k x 8	45ns, 4MB, 2.2-3.6V, I-temp		5.39	5.12	4.86
1921291	CY62157EV30LL-45ZXL	TSOP-48	512k x 16	45ns, 8MB, 5V ppwr SRAM		11.75	11.12	10.56
1182993	CY7C1370D-167AXC	TQFP-100	512k x 36	167MHz, 18MB, 3.3V pipelined, C-temp		33.09	31.43	29.85
1183099	CY7C1380D-167AXC	TQFP-100	512k x 36	167MHz, 18MB pipelined, C-temp		29.99	27.99	25.99
1921434	CY7C1061AV33-10ZXL	TSOP-54	1M x 16	16MB, 3.3V asynch. SRAM		50.55	47.85	45.46

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Static RAM

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Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
38931	2111-1	DIP-18	256 x 4	1-Kbit, 5V, 500ns	\$1.69	\$1.55	\$1.35
42198	5101*	DIP-22	256 x 4	1-Kbit, 5V, 450ns	7.99	7.19	6.49
38957	2114N	DIP-18	1k x 4	4-Kbit, 5V, 450ns	2.29	1.99	1.79
43238	6514	DIP-18	1k x 4	4-Kbit, 5V, 300ns	3.95	3.65	3.35
38973	2114N-2	DIP-18	1k x 4	4-Kbit, 5V, 200ns	2.49	2.09	1.89
38981	2114N-2L	DIP-18	1k x 4	4-Kbit, 5V, 450ns, LP	2.25	2.05	1.85
38746	2016-20	DIP-24	2k x 8	16-Kbit, 5V, 200ns	.80	.73	.66
114260	DS1220Y-150	DIP-24	2k x 8	16-Kbit, 5V, 150ns, NV	14.35	12.56	7.58
25911	MK48Z02B-15	DIP-24	2k x 8	16-Kbit, 5V, 150ns	7.49	7.46	6.35
42809	6116P-3*	DIP-24	2k x 8	16-Kbit, 5V, 150ns	1.49	1.29	1.09
42753	6116LP-3*	DIP-24	2k x 8	16-Kbit, 5V, 150ns, LP	1.95	1.75	1.59
42796	6116P-2*	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.59	1.39	1.29
42788	6116P-1	DIP-24	2k x 8	16-Kbit, 5V, 100ns	1.95	1.75	1.63
42737	6116LP-1	DIP-24	2k x 8	16-Kbit, 5V, 100ns, LP	1.99	1.79	1.65
392294	CY6264-70SNC	SOIC-28	8k x 8	64-Kbit, 5V, 70ns	3.95	3.55	3.19
85121	6264LP-70	DIP-28	8k x 8	64-Kbit, 5V, 70ns, LP	3.55	3.17	2.86
42884	6264LP-10*	DIP-28	8k x 8	64-Kbit, 5V, 100ns, LP	2.65	2.49	2.25
42921	6264P-10*	DIP-28	8k x 8	64-Kbit, 5V, 100ns	2.65	2.09	2.03
42892	6264LP-12*	DIP-28	8k x 8	64-Kbit, 5V, 120ns, LP	2.99	2.66	2.34
42930	6264P-12*	DIP-28	8k x 8	64-Kbit, 5V, 120ns	2.65	2.39	2.15
114278	DS1225AB-15	DIP-28	8k x 8	64-Kbit, 5V, 150ns, NV	15.99	13.59	10.19
114307	DS1225Y-200	DIP-28	8k x 8	64-Kbit, 5V, 200ns, NV	15.95	14.49	11.65
242333	CY7C185-35	DIP-28	8k x 8	64-Kbit, 5V, 35ns Async.	3.29	2.80	2.10
177113	DS1230Y-100	DIP-28	32k x 8	256-Kbit, 5V, 100ns, NV	15.75	14.60	11.75
114323	DS1230Y-150	DIP-28	32k x 8	256-Kbit, 5V, 150ns, NV	20.25	17.10	10.25
41970	43256-10L*	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	5.49	4.99	4.49
41988	43256-12L*	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	4.99	4.49	4.09
242376	CY7C199P-35	DIP-28	32k x 8	256-Kbit, 5V, 35ns, LP Async.	1.99	1.69	1.27
75037	UM61M256K-15	DIP-28	32k x 8	256-Kbit, 5V, 15ns	3.39	2.99	2.69
82472	62256LP-70	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	4.95	4.50	4.05
391793	CY62256L-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns	2.85	2.42	1.82
391822	CY62256LL-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.85	2.30	1.80
391890	CY62256LL-70SNC	SOIC-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.85	2.42	1.90
42876	62256LP-85	DIP-28	32k x 8	256-Kbit, 5V, 85ns, LP	3.29	2.66	2.13
42833	62256LP-10*	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	3.75	3.20	2.40
42850	62256LP-12*	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	3.89	3.49	3.19
391831	CY62128BL-70SC	SOIC-32	128k x 8	1-Mbit, 5V, 70ns, LP	3.55	3.19	2.87
391996	CY62128BL-70ZC	TSSOP-32	128k x 8	1-Mbit, 5V, 70ns, LP	2.85	2.30	2.10
279873	628128S-70	SOP-32	128k x 8	1-Mbit, 5V, 70ns	2.49	2.19	1.89
131810	628128LP-70	DIP-32	128k x 8	1-Mbit, 5V, 70ns, LP	8.99	7.39	6.69
103982	628128LP-85*	DIP-32	128k x 8	1-Mbit, 5V, 85ns, LP	10.65	9.04	6.78
391902	CY7C1019CV33-12V	SOJ-32	128k x 8	1-Mbit, 3.3V, 12ns, Async.	2.75	2.65	2.25
157358	628512LP-70	DIP-32	512k x 8	4-Mbit, 5V, 70ns, LP	19.19	17.15	16.35
280049	628512S-70	SOP-32	512k x 8	4-Mbit, 5V, 20ns, Async.	6.29	5.69	5.12

* Pull = Extra Savings



For Catalyst Non-Volatile SRAM visit www.Jameco.com



GALs

Part No.	Product No.	Pkg.	Description	1	10	100
876951	GAL22V10D-15LP	DIP-24	15ns 132 x 44 AND array	\$7.25	\$6.50	\$5.92
877013	GAL22V10D-25LJ	PLCC-28	25ns 132 x 44 AND array, C-temp	4.05	3.45	3.12

TEXAS INSTRUMENTS PALs

Part No.	Product No.	Pkg.	Description	1	10	100
759332	TIBPAL16L8-10CN	DIP-20	10ns, 10 inputs, 2 outputs, 6 I/O	\$3.89	\$3.12	\$3.02
759412	TIBPAL16L8-25CN	DIP-20	25ns, 10 inputs, 2 outputs, 6 I/O	2.29	1.90	1.66
759455	TIBPAL16R4-25CN	DIP-20	25ns 8 inputs, 4 reg. outputs, 4 I/O ports	2.55	2.34	2.17

PALs & GALs

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
28020	PAL16L8	DIP-20	Octal 16-input AND-OR-INVERT gate array	\$2.39	\$1.97	\$1.80
652615	16V8-7	DIP-20	7ns 64 x 32 AND array	3.29	2.82	2.59
88399	16V8-10*	DIP-20	10ns 64 x 32 AND array	1.99	1.79	1.59
37452	16V8-15*	DIP-20	15ns 64 x 32 AND array	1.59	1.40	1.05

◆ This product typically requires two additional days to ship. Please request "ship partial" if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

PALs & GALs (Continued)

QUANTITY
SAVE

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
37461	16V8-25*	DIP-20	25ns 64 x 32 AND array	\$1.35	\$1.16	\$1.05
88292	20V8-10**	DIP-24	10ns 64 x 40 AND array	2.65	2.27	1.70
38658	20V8-15**	DIP-24	15ns 64 x 40 AND array	1.85	1.27	1.15
105996	22CV10AP-25	DIP-24	25ns 132 x 44 AND array	2.59	2.35	2.05
123801	22V10-10	DIP-24	10ns 132 x 44 AND array	5.49	4.99	4.49
39159	22V10-15	DIP-24	15ns 132 x 44 AND array	4.49	3.96	2.97
39167	22V10-25	DIP-24	25ns 132 x 44 AND array	4.25	3.73	3.31

GALs are electrically erasable, CMOS PLDs that can be reprogrammed and can be used in place of numerous PALs

* Replaces PALs: 10H8, 10L8, 10P8, 12H6, 12L6, 12P6, 14H4, 14L4, 14P4, 16H2, 16H8, 16L2, 16L8, 16P2, 16R4, 16R6, 16R8, 16RP4, 16RP6, 16RP8, 14H8, 14L8, 14P8, 16H6, 16L6, 16P6

** Replaces PALs: 18H4, 18L4, 18P4, 20H2, 20H8, 20L2, 20L8, 20P2, 20P8, 20R4, 20R6, 20R8, 20RP4, 20RP6, 20RP8



For Altera CPLDs visit www.Jameco.com - Keyword: Altera



For Altera FLEX FPGAs visit www.Jameco.com - Keyword: Altera



74AC/ACT Series

* Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
867827	74AC74SC	SOIC-14	Dual D-type pos. edge trig. flip-flop	*	\$1.86	\$1.69
867510	74AC138PC	DIP-16	1-of-8 decoder demultiplexer	*	.323	.294
867940	74ACT04SC	SOIC-14	Hex inverter	*	.212	.118
868125	74ACT14SC	SOIC-14	Hex inverter w/ schmitt trigger input	*	.229	.196
868281	74ACT32SC	SOIC-14	Quad 2-input OR gate	*	.154	.14
868061	74ACT138SC	SOIC-16	1-of-8 decoder demultiplexer	*	.382	.317
868248	74ACT245SC	SOIC-20	Octal bi-directional trans. w/ 3-st I/O	*	.352	.32

ON Semiconductor® 74ACT Series

Part No.	Product No.	Pkg.	Description	1	5	100
795641	MC74ACT640NG	DIP-20	Octal 3-st inverting transceiver	\$2.05	\$1.73	\$1.56



TEXAS INSTRUMENTS 74AC/ACT Series

Part No.	Product No.	Pkg.	Description	1	10	100
1274708	CD74AC573E1	DIP-20	Octal transparent latch, 3-st non inverting	\$.89	\$.79	\$.50
891595	74ACT11244DW	SOIC-24	Octal buffer/line driver w/ 3-st outputs	2.79	2.55	2.37



TEXAS INSTRUMENTS 74AHCT Series

* Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	100
913678	SN74AHCT1G08BVR	SOT-23/5	Single 2-input positive AND gate, 1-temp	*	\$1.08	\$1.01
913707	SN74AHCT1G125BVR	SOT-23/5	Single bus buffer w/ 3-st outputs, 1-temp	*	.098	.088
913782	SN74AHCT244PWR	TSSOP-20	Octal buffer/driver w/ 3-st outputs, 1-temp	*	.213	.191



For Texas Instruments 74AHC Series visit www.Jameco.com



For IDT 49FCT Series visit www.Jameco.com - Keyword: IDT



For IDT 74FCT Series visit www.Jameco.com - Keyword: IDT



For Texas Instruments 74F Series visit www.Jameco.com



74HC Series

* Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
984151	MM74HC14MX_NL	SOIC-14	Hex inverting Schmitt trigger	*	\$1.42	\$1.29
872255	MM74HC138M	SOIC-16	3-to-8 line decoder	*	.248	.226
786314	MM74HC154WM	SOIC-24	4-to-16 line decoder	.58	.47	.35
872378	MM74HC165M	SOIC-16	Parallel-in/serial out 8-bit shift reg.	*	.356	.197
872511	MM74HC273N	DIP-20	Octal D-type flip-flop w/ clear	.53	.399	.30
872861	MM74HC573N	DIP-20	3-st octal D-type latch	*	.311	.283
872706	MM74HC4051M	SOIC-16	8-ch analog multiplexer	*	.382	.325

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NXP / PHILIPS 74HC Series

NEW
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* Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	100
906339	74HC00N	DIP-14	Quad 2-input NAND gate, I-temp
906574	74HC04N	DIP-14	Hex inverter	...	...	...
907411	74HC14N	DIP-14	Hex inverting schmitt trigger	...	...	...
907083	74HC132D	SOIC-14	Quad 2-input NAND schmitt trigger	...	...	...
907577	74HC157D	SOIC-16	Quad 2-input multiplexer	...	...	...
845927	74HC165N	DIP-16	8-bit parallel-in/serial-out shift reg.	...	...	...
908220	74HC244N	DIP-20	Octal buffer/line driver 3-st	...	...	...
910864	74HC573N	DIP-20	Octal D-type transparent latch 3-st, I-temp	...	...	...
910135	74HC4066D	SOIC-14	Quad bilateral switches, I-temp	...	...	...

ON Semiconductor® 74HC Series

* Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
873338	MC74HC00AN	PDIP-14	Quad 2-input NAND gate	...	...	...
874921	MC74HC4538AN	PDIP-16	Dual prec. monostable multivibrator

TEXAS INSTRUMENTS 74HC Series

NEW
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* Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
835219	SN74HC00N	DIP-14	Quad 2-input positive NAND gates
914611	SN74HC03N	DIP-14	Quad 2-input pos. NAND w/ open-drain, I-temp	...	...	...
914646	SN74HC04DR	SOIC-14	Hex inverter, I-temp	...	...	...
835235	SN74HC04N	DIP-14	Hex inverters	...	...	...
250982	SN74HC07N	DIP-14	Hex Inverter	...	...	...
1320938	CD74HC14E	DIP-14	CMOS logic hex inverting schmitt trig., I-temp	...	...	...
897081	CD74HC14M	SOIC-14	CMOS logic hex inverting schmitt trig., I-temp	...	...	...
835340	SN74HC14N	DIP-14	Hex schmitt-trigger inverters	...	...	...
915905	SN74HC32DR	SOIC-14	Quad 2-input positive OR gates, I-temp	...	...	...
898244	CD74HC74M	SOIC-14	Dual D-F w/set&reset pos edge trig, I-temp	...	...	...
820682	CD74HC123M1	SOIC-16	CMOS logic dual retrigger monost. multivibr., I-temp	...	...	...
914785	SN74HC125DR	SOIC-14	Quad bus buffer gates w/ 3-st outputs, I-temp	...	...	...
914849	SN74HC126N	DIP-14	Quad bus buffer gates w/ 3-st., I-temp	...	...	...
835307	SN74HC132N	DIP-14	Quad pos. NAND gates w/ schmitt-trigger inputs	...	...	...
896960	CD74HC138E	DIP-16	Hi-spd CMOS 3-to-8 line decoder/demux, I-temp	...	...	...
835315	SN74HC138N	DIP-16	3-to-8 line decoders/demultiplexers	...	...	...
915180	SN74HC165DR	SOIC-16	8-bit parallel load shift register, I-temp	...	...	...
251336	SN74HC165N	DIP-16	8-bit parallel load shift register	...	...	...
835446	SN74HC193N	DIP-16	4-bit synch. up/down counters (dual clock w/ clear)	...	...	...
897364	CD74HC238E	DIP-16	CMOS logic 3-to-8 line decoder/demux, I-temp	...	...	...
1004863	SN74HC244DW1	SOIC-20	Octal buffer & line driv. w/ 3-st outputs, I-temp	...	...	...
835462	SN74HC244N	DIP-20	Octal buffers & line drivers w/ 3-st. outputs	...	...	...
915614	SN74HC245DWR	SOIC-20	Quad bus transceivers w/ 3-st outputs, I-temp	...	...	...
1005612	SN74HC273DW1	SOIC-20	Octal D-type flip-flops w/ clear, I-temp	...	...	...
251475	SN74HC373N	DIP-20	Octal D-type transparent latches w/ 3-st. out H.O. (TI)	...	...	...
916271	SN74HC541DWR	SOIC-20	Octal buffer & line driv. w/ 3-st outputs, I-temp	...	...	...
897786	CD74HC4020M	SOIC-16	CMOS logic 14-stage binary counter, I-temp	...	...	...
897971	CD74HC4075M	SOIC-14	CMOS logic triple 3-input OR gate, I-temp	...	...	...
822303	CD74HC4511E	DIP-16	BCD-to-7 segment latch/decoder/driver

74HC Series

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Part No.	Cross Ref.	Pkg.	Description	1	10	100
45161	74HC00N	DIP-14	Quad 2-input NAND gate
45188	74HC02N	DIP-14	Quad 2-input NOR gate	...	...	...
45209	74HC04N	DIP-14	Hex inverter	...	...	...
45225	74HC08N	DIP-14	Quad 2-input AND gate	...	...	...
45233	74HC10N	DIP-14	Triple 3-input NAND gate	...	...	...
45364	74HC14N	DIP-14	Hex schmitt trigger inverter	...	...	...
45794	74HC32N	DIP-14	Quad 2-input OR gate	...	...	...
46130	74HC74N	DIP-14	Dual D-type pos. edge trig. F-F w/ clear & preset	...	...	...
46181	74HC86N	DIP-14	Quad 2-input Exclusive OR gate	...	...	...
45305	74HC125N	DIP-14	Quad bus buffer w/ 3-state outputs	...	...	...
45321	74HC132N	DIP-14	Quad pos. NAND gate w/ Schmitt trig. input	...	...	...
45330	74HC138N	DIP-16	3-to-8 decoder/demultiplexer	...	...	...
45401	74HC154N	DIP-24	4-to-16 line decoder	...	...	...
45487	74HC164N	DIP-14	8-bit parallel out serial shift register	...	...	...

♣ This product typically requires two additional days to ship. Please request **'ship partial'** if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

[Details on page 175.](#)

74HC (Cont.)

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Part No.	Cross Ref.	Pkg.	Description	1	10	100
45495	74HC165N	DIP-16	8-bit parallel load shift register
45541	74HC192	DIP-16	Presetable synch. 4-bit up/down counter	...	...	...
45655	74HC244N	DIP-20	Octal buffer/line driver w/ 3-st. output	...	...	...
45671	74HC245N	DIP-20	Octal bus trans. w/ 3-state output	...	...	...
45831	74HC373N	DIP-20	Octal D-type transparent latches w/ 3-st. out H.O.	...	...	...
45858	74HC374N	DIP-20	Octal edge trig. D-type F-F w/ 3-st. output	...	...	...
109760	74HC540N	DIP-20	Octal buffer/line driver w/ 3-st. output	...	...	...
46050	74HC541N	DIP-20	Octal buffer/line driver w/ 3-st. output NOR gate enabled	...	...	...
46076	74HC573N	DIP-20	Octal transparent D-type latches w/ 3-st. output	...	...	...
46084	74HC574N	DIP-20	Octal edge trig. D-type F-F w/ 3-st. out. flow thru	...	...	...
46105	74HC595N	DIP-16	8-bit shift reg. w/ 3-st. output register	...	...	...
251643	SN74HC595N	DIP-16	8-bit shift reg. w/ 3-st. output register	...	...	...
46113	74HC688N	DIP-20	8-bit identity comparators	...	...	...
45891	74HC4017	DIP-16	Decade ctr/div w/ decoded output	...	...	...
88102	74HC4051N	DIP-16	8-channel analog multiplexer	...	...	...
272129	74HC4053N	DIP-16	Triple 2-channel analog multiplexer	...	...	...

NXP / PHILIPS 74HCT Series

NEW
MARKED IN PINK

* Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
914291	74HCT74N	DIP-14	Dual D-type flip-flop w/ set & reset, I-temp	...	...	...
911891	74HCT123D	SOIC-16	Dual retrigger. monostable multivib w/ reset, I-temp	...	...	...
912211	74HCT138N	DIP-16	3-to-8 line decoder/demultiplexer, I-temp	...	...	...
912253	74HCT139N	DIP-16	Dual 2-to-4 line decoder/demultiplexer	...	...	...
912851	74HCT238N	DIP-16	3-to-8 line decoder/demultiplexer	...	...	...
913053	74HCT245N	DIP-20	Octal bus transceiver, 3-st, I-temp	...	...	...
847746	74HCT367D	SOIC-16	Hex buffer/line driver, 3-st	...	...	...
913336	74HCT367N	DIP-16	Hex buffer/line driver, 3-st	...	...	...
914128	74HCT574N	DIP-20	Octal D-type flip-flop pos edge trig, 3-st	...	...	...

ON Semiconductor® 74HCT Series

Part No.	Product No.	Pkg.	Description	1	10	100
984038	MC74HCT244ADWR2G	SOIC-20	Octal 3-st non-inverting buffer/line driver	...	...	...

TEXAS INSTRUMENTS 74HCT Series

NEW
MARKED IN PINK

* Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	100
898480	CD74HCT14E	DIP-14	CMOS logic hex inverting schmitt trig., I-temp	...	...	...
899079	CD74HCT32E	DIP-14	CMOS logic quad 2-input OR gate, I-temp	...	...	...
898404	CD74HCT138E	DIP-16	CMOS logic 3-to-8 line decoder/demux, I-temp	...	...	...
823795	CD74HCT191E	DIP-16	Synch. up/dwn countr, w/ dwn/up contrl, I-temp	...	...	...
898949	CD74HCT245E	DIP-20	CMOS logic octal bus trans, 3-st non-inverting, I-temp	...	...	...

 For Fairchild 74HCT Series visit www.Jameco.com - Keyword: Fairchild

74HCT Series

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Part No.	Cross Ref.	Pkg.	Description	1	10	100
44871	74HCT00N	DIP-14	Quad 2-input NAND gate
44898	74HCT04N	DIP-14	Quad 2-input NOR gate	...	...	...
44901	74HCT08N	DIP-14	Quad 2-input AND gate	...	...	...
44935	74HCT14N	DIP-14	Hex schmitt trigger inverter	...	...	...
45137	74HCT74N	DIP-14	Dual D-type pos. edge trig F-F w/ clear & preset	...	...	...
44927	74HCT138N	DIP-16	3-to-8 decoder/demultiplexer	...	...	...
63773	74HCT139N	DIP-16	2-to-4 decoder/demultiplexer	...	...	...
45022	74HCT244N	DIP-20	Octal buffer/line driver w/ 3-st. output	...	...	...
45031	74HCT245N	DIP-20	Octal bus trans. w/ 3-state output	...	...	...
45090	74HCT573N	DIP-20	Octal transparent D-type latch w/ 3-st. output	...	...	...

 For Fairchild 74LVC Series visit www.Jameco.com - Keyword: Fairchild

 For ON Semi 74LVC Series visit www.Jameco.com - Keyword: ON Semi

NXP / PHILIPS 74LVC Series

* Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
914777	74LVC244APW	TSSOP-20	Octal buffer/line drv w/ 5V tolerant input, 3-st., I-temp	...	...	...

 For IDT 74LVC Series visit www.Jameco.com - Keyword: IDT

Additional Logic ICs are available online at www.Jameco.com/Semiconductors

TEXAS INSTRUMENTS 74ALVC/LV/LVC Series * Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	QUANTITY SAVE	1	5	50
917417	SN74LVC00AD	SOIC-14	Quad 2-input pos NAND gate, I-temp	*	\$.147	\$.138	
918276	SN74LVC1607DBVR	SOT-23/5	Sngl buffer/drvr w/ open drain outputs, I-temp	*	.122	.115	
917231	SN74LV14AD	SOIC-14	Hex schmitt trigger inverters	*	.172	.129	
818849	SN74LVC32AD1	SOIC-14	Quad 2-input positive OR gate, I-temp	*	.147	.138	
917927	SN74LVC125APWR	TSSOP-14	Quad bus buffer gate w/ 3-st output, I-temp	*	.184	.173	
917986	SN74LVC138AD	SOIC-16	3-to-8 line decoder/demultiplexer, I-temp	*	.221	.207	
818751	SN74LVC2G15DCUT	VSSOP-8	2-to-1 line data selector/multiplexer		.66	.57	.53
914304	SN74ALVC244PW	TSSOP-20	Octal buffer/drvr w/ 3-st outputs, I-temp	*	.403	.309	
757492	SN74LVC541APW	TSSOP-20	Octal buffer/driver w/ 3-st output, I-temp	*	.295	.276	

ON Semiconductor For ON Semi 74LVX Series visit www.Jameco.com - Keyword: ON Semi

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TEXAS INSTRUMENTS For Texas Instruments 74ALS Series visit www.Jameco.com

TEXAS INSTRUMENTS 74LS Series NEW * Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	QUANTITY SAVE	1	10	100
283725	SN74LS00N	DIP-14	Quad 2-input NAND gate		\$.50	\$.416	\$.312
283741	SN74LS02N	DIP-14	Quad 2-input NOR gate		.48	.41	.30
283792	SN74LS04N	DIP-14	Hex inverter		.48	.408	.306
1015061	SN74LS05N1	DIP-14	Hex inverter w/ O.C. outputs, C-temp	*	.41	.37	
295401	SN74LS08N	DIP-14	Quad 2-input AND gate		.47	.40	.30
295460	SN74LS14N	DIP-14	Hex inverter schmitt trigger		.41	.349	.262
295515	SN74LS32N	DIP-14	Quad 2-input OR gate		.45	.386	.289
295558	SN74LS37N	DIP-14	Quad 2-input NAND gate buffer		.59	.502	.377
295582	SN74LS47N	DIP-16	BCD-to-7 segment decoder/driver (O.C.)		.92	.69	.61
295726	SN74LS47AN	DIP-14	Dual D flip-flop		.51	.386	.289
295742	SN74LS85N	DIP-16	4-bit magnitude comparator		.91	.68	.52
1020943	SN74LS86AN1	DIP-14	Quad 2-input exclusive OR gate, C-temp	*	.38	.342	
295751	SN74LS86N	DIP-14	Quad EXCLUSIVE-OR gate		.45	.386	.287
295769	SN74LS90N	DIP-14	Decade counter		1.55	1.25	.94
295822	SN74LS93N	DIP-14	4-bit binary counter		1.55	1.25	.94
815736	SN74LS107AN	DIP-14	Dual J-K flip-flops w/ clear		1.29	1.02	.99
300880	SN74LS123N	DIP-16	Dual mono. multivibrator w/ clear		.71	.54	.405
301233	SN74LS138N	DIP-16	3-to-8 decoder/demultiplexer		.62	.53	.40
815816	SN74LS156N	DIP-16	Dual 2-to-4 line decoders/demultiplexers		.59	.531	.50
917038	SN74LS158N	DIP-16	Quad 2-to-1 line data selectors/multiplexers		.67	.59	.51
1016979	SN74LS174N1	DIP-16	Hex D-type flip-flops w/ clear, C-temp		.90	.68	.51
301831	SN74LS193N	DIP-16	Binary up/down counter w/ clear		.79	.68	.51
301858	SN74LS194N	DIP-16	4-bit bi-directional shift register		1.23	1.04	.79
815921	SN74LS243N	DIP-14	Quad bus transceivers		3.49	3.05	2.21
1017568	SN74LS244DW1	SOIC-20	Octal buffer & line drv w/ 3-st outputs, C-temp		.75	.65	.48
308312	SN74LS244N	DIP-20	Octal driver tri-state		.75	.65	.487
1017664	SN74LS245DW1	SOIC-20	Octal bus transv w/ 3-st outputs, C-temp		.75	.65	.48
308321	SN74LS245N	DIP-20	Octal bus transceiver tri-state		.85	.65	.358
308460	SN74LS373N	DIP-20	Octal D flip-flop tri-state		.78	.66	.495
308478	SN74LS374N	DIP-20	Octal D flip-flop edge-trig. tri-state		.78	.66	.495
1019504	SN74LS465DWE4	SOIC-20	Octal buffers w/ 3-st outputs, C-temp		5.05	4.80	4.50
1020724	SN74LS688N1	DIP-20	8-bit magnitude/identity comparator	*	Call	Call	Call

★ Please call or visit our website for minimum order quantity and pricing

74LS Series

Save with **Major Brands!** The products below are from Fairchild, National, On Semi, Philips, ST and/or Renesas, depending on where our buyers find the best deals.

Part No.	Cross Ref.	Pkg.	Description	QUANTITY SAVE	1	10	100
46252	74LS00N**	DIP-14	Quad 2-input NAND gate		\$.41	\$.349	\$.24
46287	74LS02N**	DIP-14	Quad 2-input NOR gate		.45	.41	.34
46316	74LS04N**	DIP-14	Hex inverter		.41	.26	.23
46341	74LS05N*	DIP-14	Hex inverter (O.C.)		.41	.35	.265
46359	74LS06N	DIP-14	Hex inverter buffer/driver (O.C.)		.74	.62	.50
46367	74LS07N	DIP-14	Hex buffer/driver (O.C. hi-voltage)		.64	.57	.49
46375	74LS08N**	DIP-14	Quad 2-input AND gate		.37	.307	.23
46391	74LS09N	DIP-14	Quad 2-input AND gate (O.C.)		.46	.39	.293
46404	74LS10N*	DIP-14	Triple 3-input NAND gate		.46	.30	.276
46439	74LS11N*	DIP-14	Triple 3-input AND gate		.42	.312	.264
46460	74LS14N*	DIP-14	Hex inverter schmitt trigger		.40	.349	.265

*10 pcs./ **20 pcs. in 74LS series IC cabinet kit, pg 11

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

74LS (Cont.)

Save with **Major Brands!** The products below are from Fairchild, National, On Semi, Philips, ST and/or Renesas, depending on where our buyers find the best deals.

Part No.	Cross Ref.	Pkg.	Description	QUANTITY SAVE	1	10	100
47095	74LS20N*	DIP-14	Dual 4-input NAND gate		\$.45	\$.29	\$.24
47108	74LS21N	DIP-14	Dual 4-input AND gate		.26	.224	.16
47378	74LS27N	DIP-14	Triple 3-input NOR gate		.28	.23	.18
47458	74LS30N*	DIP-14	8-input NAND gate		.28	.238	.179
47466	74LS32N⊕**	DIP-14	Quad 2-input OR gate		.35	.312	.246
47773	74LS42N	DIP-14	BCD-to-decimal decoder/driver		1.01	.86	.65
47790	74LS47N⊕	DIP-16	BCD-to-7 segment decoder/driver (O.C.)		.94	.68	.59
47811	74LS48N	DIP-16	BCD-to-7 segment decoder/driver		4.99	4.24	3.18
47992	74LS73N⊕	DIP-14	Dual JK flip-flop w/ clear, center VCG/GND		1.03	.84	.64
48004	74LS74N**	DIP-14	Dual D flip-flop		.36	.25	.22
48021	74LS75N*	DIP-16	4-bit bi-stable latch		.86	.73	.66
48039	74LS76N	DIP-16	Dual JK flip-flop with preset & clear		.83	.68	.61
48063	74LS83N	DIP-16	4-bit binary full adder		1.95	1.71	1.54
48071	74LS85N*	DIP-16	4-bit magnitude comparator		.42	.382	.345
48098	74LS86N⊕	DIP-14	Quad EXCLUSIVE-OR gate		.38	.328	.236
48119	74LS90N*	DIP-14	Decade counter		.93	.81	.69
48143	74LS92N	DIP-14	Divide-by-12 counter		1.09	.93	.69
48151	74LS93N*	DIP-14	4-bit binary counter		.89	.79	.70
48178	74LS95N	DIP-14	4-bit parallel-access shift register		1.75	1.59	1.45
46412	74LS107N	DIP-14	Dual JK flip-flop with clear		.87	.74	.56
46421	74LS109N	DIP-16	Dual JK pos. edge-trig. flip-flop		.73	.56	.42
46447	74LS112N	DIP-16	Dual JK neg. edge-trig. flip-flop		.39	.332	.249
46471	74LS122N	DIP-14	Retrig. mono. multivibrator comm. CLK		.56	.476	.357
46480	74LS123N*	DIP-16	Dual mono. multivibrator with clear		.37	.319	.239
46501	74LS125N*	DIP-14	Quad bus buffer neg. enable tri-state		.36	.31	.233
46527	74LS126N	DIP-14	Quad bus buffer tri-state		.59	.50	.375
46551	74LS132N	DIP-14	Quad 2-input NAND schmitt trigger		.40	.34	.255
46586	74LS136N	DIP-14	Quad EXCLUSIVE-OR gate (O.C.)		.75	.63	.378
46607	74LS138N⊕**	DIP-16	3-to-8 decoder/demultiplexer		.52	.423	.322
46623	74LS139N*	DIP-16	2-to-4 decoder/demultiplexer		.37	.32	.24
46666	74LS145N	DIP-16	BCD-to-decimal decoder/driver (O.C.)		.73	.55	.423
46682	74LS148N	DIP-16	8-to-3 priority encoder		.98	.81	.60
46703	74LS151N*	DIP-16	8-input multiplexer		.45	.349	.269
46720	74LS153N	DIP-16	Dual 4-to-1 selector/multiplexer		.45	.357	.344
46738	74LS154N	DIP-24	4-to-16 line decoder/demultiplexer		5.15	4.59	3.69
46754	74LS155N*	DIP-16	Dual 2/4 demultiplexer		.85	.72	.54
46771	74LS157N*	DIP-16	Quad 2/1 data selector		.54	.423	.319
46800	74LS160N	DIP-16	Decade counter with asynch. clear		2.59	2.49	2.39
46818	74LS161N	DIP-16	Synch 4-bit counter		.56	.479	.265
46842	74LS163N	DIP-16	Fully synch. 4-bit counter		.46	.39	.265
46851	74LS164N	DIP-14	8-bit serial shift register		.52	.43	.315
46877	74LS165N	DIP-16	8-bit serial shift register, parallel load		.56	.428	.325
46885	74LS166N	DIP-16	8-bit parallel shift register		.66	.56	.42
46906	74LS169N	DIP-16	Synch. binary up/down counter		.61	.52	.39
46922	74LS173N	DIP-16	4-bit D-type reg. tri-state		.72	.69	.521
46931	74LS174N*	DIP-16	Hex D flip-flop with clear		.79	.58	.435
46957	74LS175N*	DIP-16	Quad D flip-flop with clear		.51	.49	.455
46973	74LS181N	DIP-24	Arithmetic logic unit/function gen.		2.59	2.16	1.47
46990	74LS190N	DIP-16	Synchronous up/down counter		2.95	2.65	2.55
47001	74LS191N	DIP-16	Up/down binary counter		.67	.55	.45
47010	74LS192N	DIP-16	Decade up/down counter w/ clear		3.49	3.05	2.85
47036	74LS193N*	DIP-16	Binary up/down counter w/ clear		.59	.49	.45
47052	74LS194N⊕	DIP-16	4-bit bi-directional shift register		1.25	1.08	.78
47124	74LS221N	DIP-16	Dual monostable multivibrator		.77	.64	.48
47141	74LS240N*	DIP-20	Octal invert. line driver tri-state		.70	.52	.29
47167	74LS241N	DIP-20	Octal bus/line driver tri-state		.58	.48	.437
47183	74LS244N*	DIP-20	Octal driver tri-state		.53	.444	.336
47212	74LS245N⊕*	DIP-20	Octal bus transceiver tri-state		.64	.48	.416
47247	74LS247N⊕	DIP-16	BCD to 7-segment decoder/driver (O.C.)		1.00	.85	.64
47327	74LS259N	DIP-16	8-bit addressable latch		.46	.39	.293
47360	74LS266N	DIP-14	Quad EXCLUSIVE-NOR gate (O.C.)		.69	.52	.395
47386	74LS273N*	DIP-20	Octal D-type flip-flop with clear		.63	.504	.38
47407	74LS279N	DIP-16	Quad set-rest latches		.50	.425	.319

*10 pcs./ **20 pcs. in 74LS series IC cabinet kit, pg 11

Additional Logic ICs are available online at www.Jameco.com/Semiconductors

74LS (Cont.)

Save with **Major Brands!** The products below are from Fairchild, National, On Semi, Philips, ST and/or Renesas, depending on where our buyers find the best deals.

Part No.	Cross Ref.	Pkg.	Description	QUANTITY SAVE	1	10	100
47423	74LS283N	DIP-16	4-bit binary full add with fast carry	.....	\$ .53	\$.453	\$.35
47440	74LS299N	DIP-20	8-bit universal shift/storage register	.....	1.59	1.36	1.02
47562	74LS367N	DIP-16	Hex buffer tri-state	.....	.42	.357	.268
47600	74LS373N	DIP-20	Octal D flip-flop tri-state	.....	.64	.49	.39
47634	74LS374N	DIP-20	Octal D flip-flop edge-trig. tri-state	.....	.54	.465	.378
47669	74LS377N	DIP-20	Octal D register common enable	.....	.50	.43	.319
47722	74LS390N	DIP-16	Dual 4-bit decade counter	.....	.80	.66	.495
47731	74LS393N	DIP-14	Dual 4-bit binary counter	.....	.69	.59	.44
47861	74LS540N	DIP-20	Octal invert. buffer/line driver tri-state	.....	.99	.84	.63
47870	74LS541N	DIP-20	Octal buffer/line driver tri-state	.....	.67	.55	.428
64418	74LS573N	DIP-20	Octal D-type flip-flop latch tri-state	.....	2.05	1.85	1.55
64426	74LS574N	DIP-20	Octal D-type flip-flop edge-trig. tri-state	.....	2.15	1.89	1.69
103974	74LS595N	DIP-16	8-bit serial-to-parallel shift reg. 3-state	.....	5.55	4.49	3.79
47950	74LS645N	DIP-20	Octal bus transceiver tri-state (O.C.)	.....	1.30	1.11	.83
47984	74LS688N	DIP-20	8-bit magnitude comparator	.....	1.45	1.23	.92

* 10 pcs. in 74LS series IC cabinet kit, below

74LS Series IC Kit

SAVE \$76

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 106 and 30 adhesive labels for drawers to identify parts in kit

10 each:	74LS05, 74LS10, 74LS11, 74LS14, 74LS20, 74LS30, 74LS47, 74LS73, 74LS75, 74LS85, 74LS86, 74LS90, 74LS93, 74LS123, 74LS125, 74LS139, 74LS151, 74LS155, 74LS157, 74LS174, 74LS175, 74LS193, 74LS240, 74LS244, 74LS245, 74LS273, 74LS373, 74LS374
20 each:	74LS00, 74LS02, 74LS04, 74LS08, 74LS32, 74LS74, 74LS138

Part No.	Description	Wt. (lbs.)	1	10
84961	420 pcs. 74LS IC kit	6.7	\$135.55	\$123.95
130391	Refill for 84961 (420 pcs.)	2.0	116.65	109.95

FAIRCHILD Tiny Logic® Series

Part No.	Product No.	Pkg.	Description	QUANTITY SAVE	1	10	100
873813	NC7S83157P6X	SC70/6	2:1 mux/demux bus switch	.....	* .137	* .124	
787413	NC7ST04M5	SOT-23/5	Single inverter w/ TTL comp. inputs	.....	.69	.58	.431
873881	NC7SZ00M5X	SOT-23/5	2-input NAND gate	.....	* .082	* .074	
873901	NC7SZ00P5X	SC70/5	2-input NAND gate	.....	* .082	* .074	
1021612	NC7SZ58P6X	SC70/6	Universal config. 2-input logic gates	.....	* .112	* .101	
1017517	NC7SZ126M5X	SOT-23/5	Single buffer w/ 3-st. output	.....	* .087	* .079	
874381	NC7SZ175P6X	SC70/6	D-type flip-flop w/ asynchronous clear	.....	* .104	* .095	

ON Semiconductor® For ON Semi ECL Logic Series visit www.Jameco.com - Keyword: ON Semi

ON Semiconductor® MC14000 Series

Part No.	Product No.	Pkg.	Description	QUANTITY SAVE	1	10	100
868141	MC14013BCP	PDIP-14	Dual D-type flip-flop	.....	\$ .37	\$.309	\$.284
791914	MC14017BCPG	PDIP-16	Decade counter	.....	.49	.445	.395
868467	MC14023BCP	DIP-14	CMOS triple 3-input NAND gate	.....	.29	.242	.223
868942	MC14049UBCP	PDIP-16	Hex inverter/buffer	.....	.343	.326	.309
869072	MC14051BCP	PDIP-16	8-ch analog multi/demultiplexer	.....	.42	.35	.32
869216	MC14053BCP	PDIP-16	Triple SPDT analog multi/demultiplexer	.....	.42	.376	.336
869443	MC14067BCP	PDIP-14	16-ch analog multi/demultiplexer	.....	1.45	1.31	1.17
945012	MC14081BCPG	PDIP-14	CMOS quad 2-input AND gate	.....	.25	.208	.19
792474	MC14511BCPG	PDIP-16	BCD-to-7 seg latch/decoder/driver	.....	.54	.465	.426
792511	MC14514BCP	PDIP-24	4-bit transparent latch/4-to-16 line dec	.....	1.45	1.32	1.17
870495	MC14538BCPG	PDIP-16	Dual prec retrig/reset mono multi	.....	.56	.465	.349
870591	MC14543BCP	PDIP-16	BCD-to-7 seg latch/dec/driver for LCD	.....	.52	.442	.332
947982	MC14553BCPG	DIP-16	3-digit BCD decoder	.....	1.69	1.36	1.26
870735	MC14584BCP	PDIP-14	Hex schmitt trigger	.....	.42	.261	.24

FAIRCHILD 4000 Series

Part No.	Product No.	Pkg.	Description	1	5	100
870583	CD4051BCN	DIP-16	Single 8-ch analog mux/demux	\$.58	\$.44	\$.396
870807	CD4093BCN	DIP-14	Quad 2-input NAND schmitt trigger	.39	.333	.30
785071	CD40106CN	DIP-14	Hex schmitt trigger	.47	.356	.267
870831	CD4538BCM	SOIC-16	Dual precision monostable multivibrator	.50	.353	.30

* This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

TEXAS INSTRUMENTS 4000 Series

NEW
MARKED IN PINK

* Minimum order 5 pieces

Part No.	Product No.	Pkg.	Description	1	5	50
893443	CD4013BE	DIP-14	CMOS dual D-type flip-flop	\$.49	\$.396	\$.297
893611	CD4017BE	DIP-16	CMOS counter/divider	.47	.356	.267
893806	CD4021BE	DIP-16	CMOS 8-stage static shift register	.28	.257	.228
893945	CD4025BE	DIP-14	CMOS triple 3-input NOR gate	.29	.229	.218
894171	CD4040BE	DIP-16	CMOS ripple carry binary cnt/divider	.38	.325	.313
817951	CD4046BE	DIP-16	CMOS µPwr phase-locked loop, I-temp	.55	.416	.312
894331	CD4047BE	DIP-14	CMOS LP monostable/astable multivibr, I-temp	.51	.355	.287
818072	CD4049UBE	DIP-16	CMOS hex buffer/cnvtr (inverting), I-temp	.52	.392	.294
894391	CD4051BE	DIP-16	Single 8-ch MUX w/ 3-binary inputs, I-temp	.29	.258	.242
818259	CD4059AE	DIP-24	CMOS programmable divide by N cnt	2.45	1.96	1.53
818304	CD4066BE	DIP-14	CMOS quad bilateral switch	.54	.43	.32
818523	CD4070BE	DIP-14	CMOS quad exclusive OR gate, I-temp	.54	.431	.323
894876	CD4073BE	DIP-14	CMOS triple 3-input AND gate, I-temp	* .199	* .186	
818646	CD4075BE	DIP-14	CMOS triple 3-input OR gate, I-temp	.54	.43	.323
894981	CD4081BE	DIP-14	CMOS dual 2-input AND gate	.49	.396	.326
818873	CD4093BE	DIP-14	Quad 2-input NAND schmitt trigger	.54	.43	.32
895254	CD4503BE	DIP-16	CMOS hex buffer, 3-st, non-inverting	.52	.392	.294
895377	CD4511BE	DIP-16	CMOS BCD-to-7 seg. latch decoder/driver	.51	.386	.325
895481	CD4518BE	DIP-16	CMOS dual up counter, hi volt (20V), I-temp	.287	.274	.251
895633	CD4541BE	DIP-14	CMOS programmable time, hi volt (20V), I-temp	.29	.221	.207
817336	CD14538BE	DIP-16	CMOS dual prec monostable multivibr, I-temp	.35	.295	.276
893241	CD40107BE	DIP-8	CMOS dual 2-input NAND buffer/dvr, I-temp	* .345	* .267	
817424	CD40109BE	DIP-16	CMOS quad low-to-hi volt level shifter, I-temp	.59	.475	.268
893582	CD40174BE	DIP-16	CMOS hex D-type flip-flop	.50	.383	.289

Blue Part No. = Limited Quantity Available

For NXP/Philips 4000 Series visit www.Jameco.com

4000 Series

QUANTITY
SAVE

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
12562	CD4001**	DIP-14	Quad 2-input NOR gates	\$.39	\$.30	\$.23
675964	CD4002	DIP-14	Dual 4-input NOR gates	.41	.336	.179
12597	CD4007	DIP-14	Dual comp. pair with inverter	.42	.336	.255
12634	CD4011	DIP-14	Quad 2-input NAND gates	.35	.288	.228
675972	CD4012	DIP-14	Dual 4-input NAND gates	.36	.33	.295
12677	CD4013**	DIP-14	Dual D flip-flops with set/reset	.41	.34	.25
12722	CD4016*	DIP-14	Quad bilateral switches	.28	.24	.18
12749	CD4017*	DIP-16	Decade counter/divider	.39	.35	.32
197296	CD4017M	SOIC-16	Decade counter/divider	.32	.30	.225
12773	CD4018	DIP-16	Presetable divide-by-N counter	.47	.40	.30
12802	CD4020*	DIP-16	14-stage binary/ripple counter	.39	.332	.249
12845	CD4023*	DIP-14	Triple 3-input NAND gates	.39	.33	.25
12853	CD4024	DIP-14	7-stage binary counter	.39	.332	.249
353560	CD4026	DIP-16	Decade counter/divider	.62	.53	.43
12888	CD4027*	DIP-16	Dual JK master-slave flip-flops	.40	.34	.255
12909	CD4028	DIP-16	BCD-to-decimal decoder	.42	.279	.27
12925	CD4029	DIP-16	Presetable up/down counter	.41	.323	.242
12950	CD4040*	DIP-16	12-stage binary/ripple counter	.31	.264	.198
197333	CD4040M	SOIC-16	12-stage binary/ripple counter	.51	.43	.323
12992	CD4043	DIP-16	Quad NOR R-S latches tri-state	.49	.378	.283
13004	CD4044	DIP-16	Quad 3-state NAND R-S latches tri-state	.38	.318	.238
13055	CD4049**	DIP-16	Hex/buffer/converters (inverting)	.35	.288	.25
13098	CD4051	DIP-16	Single 8-channel multi./demultiplexer	.45	.384	.288
13119	CD4052	DIP-16	Diff. 4-channel multi./demultiplexer	.41	.34	.255
13127	CD4053	DIP-16	Triple 2-channel multi./demultiplexers	.45	.369	.277
13151	CD4060	DIP-16	14-stage ripple-carry binary	.41	.33	.25
13186	CD4066**	DIP-14	Quad bilateral switches	.39	.30	.23
13215	CD4067	DIP-24	16-channel analog multi./demultiplexer	1.37	1.14	.91
13231	CD4069	DIP-14	Hex inverters (74C04)	.38	.317	.238
13258	CD4070*	DIP-14	Quad exclusive-OR gates (74C86)	.54	.46	.35
13274	CD4071*	DIP-14	Quad 2-input OR gates	.43	.38	.285
676078	CD4072	DIP-14	Dual 4-input OR gates	.37	.33	.23
676086	CD4073	DIP-14	Triple 3-input AND gates	.40	.379	.196
676094	CD4075	DIP-14	Triple 3-input OR gates	.45	.365	.274

* 10 pcs./** 20 pcs. in 4000 series IC cabinet kit, pg 12

4000, 7400 & 74C Series

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	BRAND NAME	SUPPLIERS VARY	FACTORY OVERRUN

Additional ICs are available online at www.Jameco.com/Semiconductors

4000 Series (Continued)

NEW
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Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	QUANTITY SAVE	1	10	100
676115	CD4078	DIP-14	Triple 3-input OR gates		\$.45	\$.365	\$.274
13354	CD4081	DIP-14	Quad 2-input AND gates		.34	.312	.28
676123	CD4082	DIP-14	Dual 4-input AND gates		.42	.36	.215
13400	CD4093	DIP-14	Quad 2-input NANDs schmitt trigger		.35	.30	.228
13426	CD4094	DIP-16	8-stage shift-and-store bus register		.28	.26	.23
676481	CD40103	DIP-16	8-st. preset. synch. down cnts (8-bit binary)		.80	.67	.544
44257	CD40106	DIP-14	Hex inverters Schmitt trigger (74C14)		.49	.465	.42
13485	CD4510	DIP-16	BCD up/down counter		.39	.30	.23
13493	CD4511	DIP-16	BCD-to-7 segment latch/decoder/driver		.69	.59	.49
13522	CD4514	DIP-24	4-bit latch/4-16 line decoder		1.09	.94	.75
13549	CD4516	DIP-16	Binary up/down counter		.53	.398	.306
13565	CD4518	DIP-16	Dual BCD up counters		.44	.333	.25
13581	CD4520	DIP-16	Dual binary up counters		.34	.30	.23
13611	CD4528	DIP-16	Dual monostable multivibrators		1.14	.98	.73
13602	CD4526	DIP-16	Divide-by-N counter (binary)		.52	.46	.395
676431	CD4532	DIP-16	8-bit priority encoder		.39	.30	.225
13653	CD4538	DIP-16	Dual precision monostable multivibrators		.45	.378	.287
13688	CD4541	DIP-14	Oscillator/programmable timer		.43	.343	.261
13696	CD4543	DIP-16	BCD to 7-segment decoder (LCD)		.40	.302	.227
13709	CD4553	DIP-16	3-digit BCD counter		2.95	2.66	2.39
13768	CD4584	DIP-14	Hex schmitt triggers		.39	.35	.29

*10 pcs. in 4000 series IC cabinet kit, below

4000 Series CMOS IC Kit

SAVE \$23

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 106 and 30 adhesive labels for drawers to identify parts in kit

10 each: CD4015, CD4016, CD4017, CD4020, CD4023, CD4024, CD4027, CD4040, CD4046, CD4050, CD4051, CD4069, CD4070, CD4071, CD4081, CD4093, CD4511, CD4538, CD4543, CD4584

20 each: CD4001, CD4011, CD4013, CD4049, CD4066

Part No.	Description	Wt. (lbs.)	1	10
84970	300 pcs. 4000 series CMOS IC kit	6.1	\$95.65	\$90.85

TEXAS INSTRUMENTS 7400 Series

Part No.	Product No.	Pkg.	Description	1	10	100
910901	SN7400N	DIP-14	Quad 2-input pos. NAND gates	\$1.15	\$.97	\$.77
910944	SN7406D	SOIC-14	Hex invtr buffer/drvr w/ O.C. hi-volt outputs, C-temp	.95	.79	.63
910987	SN7406N	DIP-14	Hex inv buffer/drvr w/ open collectr hi-volt output	1.03	.86	.81
1375710	SN7407D	SOIC-14	Hex buffer/drvr w/ O.C. hi-volt outputs, C-temp	.95	.79	.63

7400 Series

QUANTITY SAVE

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
48979	7400N	DIP-14	Quad 2-input NAND gates	\$.97	\$.82	\$.66
49007	7401N	DIP-14	Quad 2-input NAND gates (O.C.)	.77	.74	.71
49015	7402N	DIP-14	Quad 2-input NOR gates	1.09	.99	.89
49040	7404N	DIP-14	Hex inverters	1.09	.89	.80
49074	7405N	DIP-14	Hex inverters (O.C.)	.69	.54	.405
49091	7406N	DIP-14	Hex inverter buffer/drivers (O.C.)	.68	.60	.53
49120	7407N	DIP-14	Hex buffer/drivers (O.C.)	.59	.53	.47
49146	7408N	DIP-14	Quad 2-input AND gates	1.49	1.35	1.25
49189	7410N	DIP-14	Triple 3-input NAND gates	.77	.70	.50
49402	7413N	DIP-14	Dual 4-input NAND gates schmitt trigger	1.25	1.12	1.01
49437	7414N	DIP-14	Hex inverters schmitt trigger	.71	.64	.58
49630	7416N	DIP-14	Hex inverter buffer/drivers (O.C.)	.93	.76	.60
49728	7417N	DIP-14	Hex buffer/drivers (O.C. hi-voltage)	1.15	.97	.58
50008	7420N	DIP-14	Dual 4-input NAND gates	.99	.84	.63
50227	7430N	DIP-14	8-input NAND gate	.62	.58	.435
50235	7432N	DIP-14	Quad 2-input OR gates	.98	.84	.66
50374	7442N	DIP-16	BCD-to-decimal decoder	1.69	1.42	1.07
50403	7445N	DIP-16	BCD-to-decimal decoder/driver	1.49	1.28	.96
50420	7447N	DIP-16	BCD-to-7 segment decoder/driver (L.O.)	1.49	1.29	.99
50526	7472N	DIP-14	AND gated JK master/slave flip-flop	1.95	1.67	1.25
50534	7473N	DIP-14	Dual JK flip-flops with clear	1.95	1.75	1.59
50551	7474N	DIP-14	Dual D flip-flops	.79	.68	.51

*10 pcs./**20 pcs. in 7400 series IC cabinet kit, right

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

7400 Series (Continued)

NEW
MARKED IN PINK

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	QUANTITY SAVE	1	10	100
50577	7475N	DIP-16	4-bit bi-stable latch		\$2.95	\$2.55	\$2.25
50593	7476N	DIP-16	Dual JK flip-flops with preset and clear		2.95	2.65	2.39
50631	7483N	DIP-16	4-bit binary full adder		2.95	2.65	2.39
50657	7485N	DIP-16	4-bit magnitude comparator		2.15	1.96	1.42
50665	7486N	DIP-14	Quad exclusive-OR gates		1.75	1.59	1.45
50681	7489N	DIP-16	64-bit RAM P 50ns		3.85	3.50	3.28
50690	7490N	DIP-14	Decade counter		2.95	2.65	2.39
50745	7493N	DIP-14	4-bit binary counter		1.75	1.59	1.45
49234	74107N	DIP-14	Dual JK flip-flop with clear		.57	.484	.363
49322	74121N	DIP-14	Monostable multivibrator		1.25	1.15	1.00
49357	74123N	DIP-16	Dual retriggerable mono multivibrator		1.39	1.33	1.26
49373	74125N	DIP-14	Quad bus buffer tri-state		1.39	1.32	1.25
49496	74148N	DIP-16	8 to 3 line octal priority encoder		1.24	1.05	.79
49509	74150N	DIP-24	16 to 1 line multiplexer		2.15	2.01	1.68
49525	74151N	DIP-16	8-input multiplexer		.75	.63	.472
49550	74153N	DIP-16	Dual 4/1 data selector/multiplexer		1.31	1.12	.85
49568	74154N	DIP-24	4 to 16 line decoder/demultiplexer		2.69	2.34	2.10
49605	74157N	DIP-16	Quad 2/1 data selector		.99	.86	.65
49648	74160N	DIP-16	Decade counter with asynch clear		.52	.46	.41
49664	74161N	DIP-16	Synchronous 4-bit counter w/ direct clear		.77	.69	.55
49672	74163N	DIP-16	Fully synchronous 4-bit counter		.89	.76	.57
49681	74164N	DIP-14	8-bit serial shift register		.94	.79	.59
49795	74175N	DIP-16	Quad D-type flip-flop with clear		1.29	1.04	.78
49832	74180N	DIP-14	9-bit odd/even parity generator/checker		2.89	2.46	1.84
49841	74181N	DIP-24	Arithmetic logic unit/function generator		3.35	3.19	2.75
49883	74189N	DIP-16	64-bit RAM tri-state		3.19	2.75	2.17
49904	74191N	DIP-16	Binary up/down counter		2.05	1.73	1.30
49912	74192N	DIP-16	Decade up/down counter with clear		4.25	3.85	3.49
49939	74193N	DIP-16	Binary up/down counter with clear		2.39	2.10	1.92
49955	74194N	DIP-16	4-bit bi-directional shift register		1.75	1.49	1.12

*10 pcs. in 7400 series IC cabinet kit, below

7400 Series IC Kit

SAVE \$157

Includes:

20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 106 and 30 adhesive labels for drawers to identify parts in kit

10 each: 7402, 7405, 7408, 7410, 7414, 7416, 7417, 7420, 7430, 7432, 7438, 7447, 7470, 7485, 7495, 74107, 74123, 74132, 74151, 74153, 74157, 74160, 74174, 74175, 74279

20 each: 7400, 7404, 7406, 7407, 7474

Part No.	Description	Wt. (lbs.)	1	10
84953	350 pcs. 7400 IC kit	6.2	\$179.95	\$161.94

FAIRCHILD 74C Series

Part No.	Product No.	Pkg.	Description	1	10	100
871754	MM74C14M	SOIC-14	Hex schmitt trigger	\$.74	\$.61	\$.49
871771	MM74C14N	DIP-14	Hex schmitt trigger	.74	.62	.49
871800	MM74C74N	DIP-14	Dual D-type flip-flop	2.15	1.85	1.55
871842	MM74C914N	DIP-14	Hex schmitt trigg. w/ extend. input volt.	3.89	3.41	2.84
871869	MM74C922N	DIP-18	16-key encoder	6.15	5.74	5.34
982956	MM74C923N	DIP-18	20-key encoder	6.15	5.74	5.34
871922	MM74C923WM	SOIC-20	20-key encoder	6.15	5.74	5.34

74C Series

QUANTITY SAVE

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
44222	74C00N	DIP-14	Quad 2-input NAND gate	\$1.15	\$.91	\$.68
44257	74C14N	DIP-14	Hex inverter Schmitt trigger (CD40106)	.49	.465	.42
44441	74C74N	DIP-14	Dual D-type flip-flop	2.25	1.80	1.35
44361	74C221N	DIP-16	Dual monostable multivibrator	3.65	2.95	2.30
44396	74C373N	DIP-20	Octal D-type flip-flop with clear tri-state	4.65	3.74	2.81
44564	74C922N	DIP-18	16-key keyboard encoder	7.05	6.79	6.19
44572	74C923N	DIP-20	20-key keyboard encoder	8.75	7.44	5.58
44599	74C926N	DIP-18	4-digit CTR w/ MUX D segment driver	12.95	10.95	10.00

For Texas Instruments 74CBTLV Series visit www.Jameco.com

Additional ICs are available online at www.Jameco.com/Semiconductors

TEXAS INSTRUMENTS 74AS Series

Part No.	Product No.	Pkg.	Description	1	10	100
834081	SN74AS08D	SOIC-14	Quad 2-input pos AND gate, C-temp	\$.79	\$.72	\$.67
834110	SN74AS100AN	DIP-14	Quad 2-input pos NAND buffer/drvr, C-temp	1.75	1.61	1.49

74S Series



Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
676967	74S04N	DIP-14	Hex Inverter	\$.77	\$.65	\$.488
48557	74S189N	DIP-16	64-bit (16 x 4) RAM tri-state (27S03)	4.49	4.00	3.00
48696	74S287N	DIP-16	1k-bit (256 x 4) PROM tri-state (TBP24S10)	12.95	11.65	9.95
48717	74S288N	DIP-16	256-bit (32 x 8) PROM tri-st. (TBP18S030N)	8.95	8.05	7.25
48805	74S387N	DIP-16	1k-bit (256 x 4) PROM O.C. (TBP24SA10N)	3.15	2.56	2.22
52513	74S428N	DIP-28	System contr./bus driver (8228)	3.69	3.19	2.36
48864	74S472N	DIP-20	4k-bit (512 x 8) PROM tri-st. (TBP28S42N)	12.95	11.65	10.49

DALLAS SEMICONDUCTOR



Part No.	Product No.	Pkg.	Description	1	10	100
782241	DS32KHZ/DIP	DIP-14	32.76kHz temp compensatd crystal oscilltr	\$8.89	\$6.98	\$6.60
866584	DS275	DIP-8	Line powered RS-232 transceiver chip	3.99	3.83	3.67
114198	DS1210	DIP-8	NV controller chip	4.55	3.78	2.83
114219	DS1213C	DIP-28	Smart socket	22.45	19.08	14.31
133410	DS1216C	DIP-28	Smart watch/RAM	30.55	25.14	18.59
862209	DS1230Y-200	DIP-28	256 non-volatile SRAM	16.35	14.93	13.53
780182	DS1231-20+	DIP-8	Power monitor chip	8.09	6.09	5.39
780220	DS1232+	DIP-8	Micromonitor chip	2.05	1.53	1.45
114331	DS1232LP	DIP-8	Micromonitor chip	1.85	1.34	1.02
862364	DS1232LPS-2	SOIC-8	Low power micromonitor chip	1.99	1.65	1.47
697231	DS1243Y-120+	PDIP-28	64k NV SRAM w/ phantom clock	41.59	31.85	28.79
862751	DS1245Y-100	DIP-32	1024k non-volatile SRAM	33.15	27.44	24.39
862920	DS1267S-050	DIP-14	Dual digital thermometer chip, 50kΩ	8.49	7.01	6.24
1921725	DS1267S-010+	SOIC-16	±5V, 10kΩ dual digital thermometer chip	9.25	8.72	8.29
133444	DS1286*	DIP-28	Watchdog timekeeper	22.15	16.90	12.40
76646	DS1287*	DIP-24	Real time clock chip	8.69	7.38	6.64
176778	DS1302	DIP-8	Trickle charge time keeping	3.19	2.44	1.48
780481	DS1302+	PDIP-8	Trickle charge time keeping chip, C-temp	4.55	3.78	3.61
780529	DS1302Z+	SOIC-8	Trickle charge time-keeping chip	2.95	2.43	2.16
1194679	DS1307	DIP-8	5V, 64 x 8 serial I2C real time clock, C-temp	3.59	2.79	2.43
114382	DS1620	DIP-8	Digital thermometer and thermostat	5.35	4.42	3.39
863640	DS1624S	SOIC-8	Digital thermometer and memory	8.05	6.62	5.89
865936	DS18B20	TO-92	Prog. resolution 1-wire digital thermometer	4.45	3.89	3.31
865709	DS1821	PR-35	Prog. digital thermostat & thermometer	6.15	4.70	4.10
133452	DS1288*	DIP-24	Real time clock chip	6.95	6.25	4.95
782129	DS2433S+	SOIC-8	4kb 1-wire EEPROM	3.95	3.80	3.76
866947	DS9034PC+	Power cap	Power cap w/o crystal	8.55	6.44	4.93
782436	DS9034PCX+	Power cap	Power cap w/ crystal	8.75	7.23	6.42

★ Pull = Extra Savings

MPU Supervisory



Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
106219	MAX690CPA	DIP-8	Watchdog timer, 4.4V	\$5.65	\$3.50	\$2.98
106227	MAX691CPE	DIP-16	Watchdog timer, 4.65V	6.35	4.28	3.21
106260	MAX1232CPA	DIP-8	Watchdog timer, 4.65V - 4.75V	2.85	1.87	1.40

For Allegro Supervisory Resets visit www.Jameco.com - Keyword: Allegro

MAXIM Supervisory

Part No.	Product No.	Pkg.	Description	1	10	100
884897	MAX691ACPE	DIP-16	µP supervisory circuit (C-temp)	\$7.49	\$6.22	\$5.10
823293	MAX807LCPE+	DIP-16	µP sup. circuit w/ ±1.5% reset accuracy	6.89	6.19	5.57

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◆ This product typically requires two additional days to ship. Please request "ship partial" if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

TEXAS INSTRUMENTS Supervisory

* Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
762291	TPS3103K30DBVT	SOT-23/6	Ultralow supply curr/volt supervisory circuit	★	Call	Call
1522492	TPS3305-18D	SOIC-8	Dual processor supervisory	2.19	1.79	1.73
1522548	TPS3305-33D	SOIC-8	Dual processor supervisory	3.15	2.46	2.31
1522759	TPS3307-33D	SOIC-8	Triple processor supervisory, I-temp	2.29	1.87	1.81
762531	TPS3823-33DBVT	SOT-23/5	Processor supervisory circuit	★	Call	Call
760763	TL7705ACD	SOIC-8	Supply-voltage supervisor, C-temp	.55	.41	.30
822637	TL7705ACP	DIP-8	Supply-voltage supervisor, C-temp	*	.295	.276
1092381	TL7733ID	SOIC-8	µPwr supply volt supervisor, I-temp	2.59	2.00	1.87
1083750	TL7757CLP	TO-92	Supply-volt superv & prec volt detector, C-temp	.71	.53	.39

★ Please call or visit our website for minimum order quantity and pricing

For Texas Instruments 65LVS Series visit www.Jameco.com

Power Driver

Part No.	Product No.	Pkg.	Description	1	10	100
1719210	A6275EA	DIP-16	8-bit serial input constant curr. latched LED drvr	\$1.48	\$1.28	\$1.22

For Allegro Display Drivers visit www.Jameco.com - Keyword: AllegroFor Allegro Motor Control Drivers visit www.Jameco.com - Keyword: Allegro

intersil RS-232 Drivers/Receivers

Part No.	Product No.	Pkg.	Description	1	10	100
875288	HIN202ECBNZ	SOIC-16	±15kV ESD 5V dual trans/recvr, C-temp	\$.75	\$.67	\$.63
875309	HIN202EIBN	SOIC-16	±15kV ESD 5V dual trans/recvr, I-temp	.85	.76	.71
875341	HIN232ACBN	SOIC-16	5V hi-spd dual trans/recvr, I-temp	.65	.58	.538
875448	HIN232CP	DIP-16	5V hi spd RS-232 transmitter/receiver	.49	.459	.43
1922242	ICL232CPE+	DIP-16	5V dual transmitter/receiver, C-temp	2.95	2.78	2.64



RS-232 Receiver

Part No.	Product No.	Pkg.	Description	1	10	100
832131	DS14C89AM/NOBP	SOIC-14	Quad CMOS receiver	\$.98	\$.92	\$.86

MAXIM RS-232 Drivers/Receivers

Part No.	Product No.	Pkg.	Description	1	10	100
808000	MAX202CSE+	SOIC-16	+5V dual RS-232 trans. w/ 0.1µF ext. cap	\$2.95	\$2.35	\$2.15
882171	MAX232ACPE+	DIP-16	+5V multi-ch RS-232 drvs/recvrs, C-temp	5.25	4.09	3.59
808827	MAX232ACSE+	SOIC-16	+5V pwrld multi-ch drvr/recvr, C-temp	5.25	4.13	3.59
882390	MAX233ACWP+	SOIC-20	+5V pwrld multi-ch drvr/recvr, C-temp	9.79	8.06	7.34
318959	MAX232CPE	DIP-16	5V, 200kpbs, multichannel	2.89	1.77	1.49
1923608	MAX232CWE+	SOIC-16	+5V pwrld multi-ch drvr/recvr, C-temp	3.19	3.02	2.87
882293	MAX232ECE	DIP-16	±15kV ESD-protected, +5V RS-232 trans.	4.15	3.08	2.73
882971	MAX3221CAE+	SSOP-16	1µA supp. curr, 3-5.5V trans. w/ autoshtdwn	2.59	2.13	1.94
1923641	MAX3232CSE+	SOIC-16	3-5V LP trans. using 4 ext. 0.01µF cap, C-temp	4.05	3.82	3.63
883333	MAX3232CUE+	TSSOP-16	3-5V LP trans. using 4 ext. 0.01µF cap, C-temp	3.79	3.12	2.84
1923667	MAX3232EEAE+	SSOP-16	±15kV ESD-protect 3-5V trans., C-temp	6.95	6.57	6.24



RS-232 Drivers/Receivers



Part No.	Product No.	Pkg.	Description	QUANTITY SAVE	1	10	100
827569	MAX202CD	SOIC-16	±15kV ESD 5V dual line drvr/recvr, C-temp ..	.79	.72	.68	
698568	MAX232DW	SOIC-16	Dual EIA-232 drivers/receivers, I-temp ..	.88	.74	.59	
903277	MAX232IN	DIP-16	Dual EIA-232 drivers/receivers .....	.55	.483	.455
698576	MAX232N	DIP-16	Dual EIA-232 drivers/receivers, C-temp ..	.88	.74	.59	
828043	MC1488N	DIP-14	Quad line drivers .....	.54	.431	.323
903541	MC1489N	DIP-14	Quad line receivers .....	.40	.34	.255
698584	MAX3221CDB	SSOP-16	3-5.5V sgl RS-232 line drvr/rec w/ ±15kV ESD, C-temp ..	1.36	1.09	.95	
698613	MAX3232CD	SOIC-16	3-5.5V multich RS-232 line drvr/rec w/ ±15kV ESD ..	1.49	1.19	1.04	
758364	SN75176AP	DIP-8	Differential bus transceivers .....	.78	.57	.42

For ON Semi RS-232 Receivers visit www.Jameco.com - Keyword: ON Semi

RS-232/422/423/485 Drivers, Receivers & Interface

3 LEVELS OF SAVINGS			
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Additional ICs are available online at www.Jameco.com/Semiconductors

NXP/PHILIPS RS-232 Drivers/Receivers

Part No.	Product No.	Pkg.	Description	1	10	100
917257	MC145406D	SOIC-16	EIA-232-D/V.28 drvtr/recvr, C-temp ..	\$1.05	\$.86	\$.69
917273	MC145406N	DIP-16	EIA-232-D/V.28 drvtr/recvr, C-temp .....	.79	.73	.67

DALLAS SEMICONDUCTOR RS-232 Transceiver Chip

Part No.	Product No.	Pkg.	Description	1	10	100
866584	DS275	DIP-8	Line powered RS-232 trans. chip	\$3.99	\$3.83	\$3.67

RS-232 Drivers/Receivers



Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
142535	MAX202CPE	DIP-16	5V, 120kbps, w/ 0.1µF ext. caps	\$2.65	\$2.10	\$1.57
244232	MAX202CSE	SOIC-16	5V, 120kbps, w/ 0.1µF ext. caps	1.65	1.38	1.03
244241	MAX202EPE	DIP-16	5V, 120kbps, w/ 0.1µF ext. caps	5.79	5.08	4.83
24811	MAX232CPE	DIP-16	5V, 200kbps, multichannel	2.59	2.07	1.45
106147	MAX232CWE	SOIC-16	5V, 120kbps, multichannel	3.25	2.76	2.07
256401	MAX232DR	SOIC-16	5V, 120kbps, dual driver/receiver .....	.74	.64	.48
106155	MAX232EPE	DIP-16	5V, 120kbps, multichannel	3.85	3.27	2.45
106163	MAX233CPP	DIP-20	5V, 120kbps, multichannel	6.19	4.99	4.66
106171	MAX235CPG	DIP-24	5V, 120kbps, multichannel	14.05	11.15	8.36
106180	MAX238CNG	DIP-24	5V, 120kbps, multichannel	6.09	4.12	3.30
23157	DS1488N	DIP-14	15V, quad line driver .....	.40	.34	.255
16379	DS14C89N	DIP-14	5V, quad line receiver	1.10	.94	.70
276859	MAX3232CDR	SOIC-16	3-5.5V, 1Mbps, ±15kV ESD protected ..	1.49	1.15	1.03
276867	MAX3232CSE	SOIC-16	3-5.5V, 1Mbps, ±15kV ESD protected ..	3.29	2.66	1.99
235301	DS14C232CN	DIP-16	5V, LP, TIA/EIA dual driver/receiver ..	2.55	1.96	1.47
23181	SN75189N	DIP-14	5V, quad line receiver .....	.23	.196	.147
25099	MC145406P	DIP-16	5-12V, EIA-232-D/V.28 driver/receiver ..	1.95	1.75	1.59

*10 pcs. in Linear series IC cabinet kit, pg 21

National Semiconductor RS-422/423/485 Driver/Receivers



Part No.	Product No.	Pkg.	Description	1	10	100
890058	DS26LS31CN	DIP-16	Quad hi-speed diff. line driver	\$2.05	\$1.53	\$1.13
890171	DS26LV31TM	SOIC-16	3V enhanced CMOS quad diff. line drvtr	1.89	1.39	1.03
890103	DS26LS32ACM	SOIC-16	Quad diff. line receiver	1.75	1.29	.94
890963	DS3695AM	SOIC-8	Multipoint RS-485/422 trans	1.59	1.19	.89
144039	DS3695N	DIP-8	Multipoint RS-422/423 trans, 5V	1.10	.94	.71
832931	DS3696N/NOPB	DIP-8	Multipoint RS-485/422 trans./recr.	2.49	1.85	1.39
891106	DS75176BM	SOIC-8	Multipoint RS-485/422 trans.	1.65	1.20	.87
891149	DS75176BN	DIP-8	Multipoint RS-485/422 trans.	1.69	1.23	.89
833109	DS75176BN/NOPB	DIP-8	Multipoint RS-485/422 trans	1.65	1.20	.88

RS-422/423/485 Driver/Receivers

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
299807	LTC485CN8	DIP-8	RS-485 LP transceiver, 5V	\$1.35	\$1.17	\$.97
244195	MAX1487CP	DIP-8	RS-485/422 LP transceiver, 12V	2.75	1.61	1.34
39571	26LS30	DIP-16	RS-422/423 line driver, 5V	2.39	2.05	1.76
39589	26LS31	DIP-16	RS-422 quad diff. line driver, 5V .....	.68	.56	.42
25232	MC3486P	DIP-16	RS-422/423 quad diff. line receiver, 5V ..	.62	.527	.395
25259	MC3487P	DIP-16	RS-422/423 quad line driver, 5V .....	.72	.60	.45
50956	SN75175N	DIP-16	RS-422/423 quad diff. line receiver, 5V ..	.96	.74	.55
50964	SN75176BN	DIP-8	RS-422 diff. line bus transceiver, 5V .....	.65	.55	.413

MAXIM For Maxim RS-422/485 Transceiver visit www.Jameco.com - Keyword: Maxim

TEXAS INSTRUMENTS RS-422/423

Part No.	Product No.	Pkg.	Description	1	10	100
892723	AM26LS33ACN	DIP-16	RS-423 Quad differential line receiver ..	\$.59	\$.477	\$.43
758364	SN75176AP	DIP-8	RS-422 Differential bus transceiver .....	.78	.57	.42
758903	SN75ALS193N	DIP-16	Quad differential line receiver .....	.46	.418	.392

TEXAS INSTRUMENTS IEEE-1394

Part No.	Product No.	Pkg.	Description	1	10	100
764035	TSB41AB3PFP	HTQFP-80	IEEE 1394a-2000 3-port cable trans/arbitr	\$5.95	\$5.55	\$5.17

♣ This product typically requires two additional days to ship. Please request "ship partial" if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.



Transmitter/Receiver

Part No.	Product No.	Pkg.	Description	1	10	100
1409588	CY7B923-JI	PLCC-28	HOTLink® transmitter/rcvr., I-temp	\$84.85	\$80.59	\$75.55



Interface Series

Part No.	Product No.	Pkg.	Description	1	10	100
1551040	HCTL-2017	DIP-16	Quadrature 33MHz, 16-bit counter	\$18.69	\$17.43	\$16.34
1551058	HCTL-2017-PLC	PLCC-18	Quadrature 14MHz, 16-bit counter ..	22.29	17.82	15.17
1551103	HCTL-2032-SC	SOIC-32	Quadrature decoder output/32-bit countr.	9.59	8.61	7.75

MAXIM Interface Series

Part No.	Product No.	Pkg.	Description	1	10	100
312160	MAX7219CNG	DIP-24	5V, 8 digit LCD driver	\$8.95	\$6.95	\$4.65



Interface Series

Part No.	Product No.	Pkg.	Description	1	10	100
1921119	CLC007AJE/NOPB	SOIC-8	Serial digital cable drv w/ dual outputs ..	\$10.69	\$10.10	\$9.60
1921127	CLC014AJE/NOPB	SOIC-14	Adaptive cable equalzr for hi-spd recovery	25.25	23.88	22.68
889831	DS26C31TM	SOIC-16	CMOS quad 3-st diff line driver	1.55	1.31	.95
889920	DS26C32ATM	SOIC-16	Quad diff line receiver	1.75	1.29	.96
890007	DS26LS31CM	SOIC-16	Quad high-speed diff line driver	1.65	1.23	.90
832448	DS26LS32ACM/NOPB	SOIC-16	Quad differential line receivers	1.75	1.28	.70
890269	DS26LV32ATM	SOIC-16	3V enhanced CMOS quad diff line rcvr	1.75	1.39	1.03
890509	DS34C86TM	SOIC-16	Quad CMOS diff line receiver	1.69	1.27	.96
832683	DS34C86TM/NOPB	SOIC-16	Quad CMOS diff line receiver	1.75	1.29	.96
890584	DS34C87TM	SOIC-16	CMOS quad 3-st diff line driver	1.55	1.36	.85
891341	DS89C21TM	SOIC-8	Diff CMOS line driver/receiver pair ..	1.55	1.16	.87
891510	DS90C031TM	SOIC-16	LVDS quad CMOS diff line driver	3.09	2.36	2.21
892301	DS90LV031ATM	SOIC-16	3V LVDS quad CMOS diff line reciever	2.75	2.04	1.95
891587	DS90C032TM	SOIC-16	LVDS quad CMOS diff line reciever ..	3.09	2.36	2.21



Interface Series

Part No.	Product No.	Pkg.	Description	1	10	100
759210	TFP410AP	HTQFP-64	TI Panel Bus™ digital transmitter	\$5.95	\$5.55	\$5.17

ON Semiconductor For ON Semi Interface Series visit www.Jameco.com - Keyword: ON Semi

SHARP For Sharp Interface Series visit www.Jameco.com - Keyword: Sharp

Interface Series



Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
243379	MM5453N	DIP-40	3-10V, LCD driver	\$3.75	\$3.45	\$3.25
314691	ICL7136CPL	DIP-40	15V, 3 1/2 digit LCD driver	5.79	4.92	3.69
241824	MC14489BP	DIP-20	5V, 7-segment LED display driver	3.89	3.26	3.10
277940	SN75179BP	DIP-8	5V, diff line driver/receiver	1.08	.91	.68
51027	SN75451AN	DIP-8	7V, dual peripheral AND driver .....	.36	.27	.257
277974	SN75183N	DIP-14	5V, dual diff line driver	1.99	1.75	1.48
51131	SN75492P	DIP-14	5V, HEX digit driver	4.95	4.45	3.99



For Texas Instruments Line Driver visit www.Jameco.com



Motor/Display Drivers



Part No.	Product No.	Pkg.	Description	1	10	100
25216	MC3479P	DIP-16	7.2-16.5V, stepper motor driver	\$3.79	\$3.22	\$2.55
24230	LM3914N	DIP-18	25V, dot/bar display driver	2.39	2.05	1.94
300003	LM3914N-1	DIP-18	25V, dot/bar display driver	1.85	1.57	1.18
901010	LM3914N-1/NOPB	DIP-18	25V, dot/bar display driver	1.55	1.40	1.31
246625	LM3914V	PLCC-20	25V, dot/bar display driver	2.79	2.12	1.59
24256	LM3915N	DIP-18	25V, dot/bar display driver	2.65	1.94	1.43
901061	LM3915N-1	DIP-18	3dB/step, 30db range dot/bar display driver	2.55	1.92	1.47
24272	LM3916N	DIP-18	3-25V, dot/bar display driver	2.39	1.99	1.82
901108	LM3916N-1	DIP-18	25V, dot/bar display driver	2.59	1.94	1.43



Motion Control

Part No.	Product No.	Pkg.	Description	1	10	100
1551015	HCTL-1100	DIP-40	Gen. purp motion control IC, I-temp	\$47.45	\$43.54	\$41.44

Additional ICs are available online at www.Jameco.com/Semiconductors

Digital Interface

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Part No.	Product No.	Pkg.	Description	1	10	50
171951	EDE702	DIP-18	Serial LCD interface	\$8.75	\$7.20	\$5.65
321710	EDE707	DIP-28	Octal 7-segment LED display decoder ..	8.99	7.64	(5.73)
171969	EDE1144	DIP-18	Keypad encoder	6.99	5.95	(4.46)
141532	EDE1200	DIP-18	Unipolar stepper motor controller	8.29	6.90	5.90
157526	EDE1204	DIP-18	Bipolar stepper motor controller	7.55	6.35	5.35
321736	EDE2008	DIP-18	Pushbutton debouncer w/ 8-independent chan ..	5.99	5.09	(3.82)
321744	EDE2108A	DIP-20	One-of-eight latch single channel	5.99	5.09	4.15
321761	EDE2208/P	DIP-18	8-pushbutton momentary to toggle	5.95	5.06	(3.80)

5000 Series & Clock Chips

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	QUANTITY SAVE	1	10	50
32803	TCM5089N	DIP-16	Touch tone generator		\$5.25	\$4.75	\$4.05
26171	MM5450N	DIP-40	LED display driver		3.65	3.10	(2.33)
27422	LM555CN**	DIP-8	Timer .....		.29	.23	.20
126797	LMC555CN*	DIP-8	CMOS timer .....		.66	.61	.55
24328	LM556N*	DIP-14	Dual timer .....		.82	.60	.45
25101	MC146818*	DIP-24	Real time clock with RAM		9.95	8.94	6.71
10567	AM9513APC*	DIP-40	Real time clock		39.95	33.96	(25.47)

*10 pcs. **20 pcs. in Linear series IC cabinet kit, pg 21 ★ Pull = Extra Savings

For Dallas Semiconductor Delay Lines visit www.Jameco.com - Keyword: DallasEPSON For Epson 4-Bit Real Time Clocks visit www.Jameco.com - Keyword: Epson

DALLAS SEMICONDUCTOR Clock Chips

Part No.	Product No.	Pkg.	Description	1	10	100
780481	DS1302+*	DIP-8	Trickle charge timekeeping chip, C-temp ..	\$4.55	\$3.78	\$3.61
863308	DS1307*	DIP-8	5V I ² C real time clock, 64 x 8 serial, C-temp ..	3.59	2.79	2.43
1194556	DS12887+*	MOD-24	Real time clock, C-temp	7.85	6.26	5.87



Programmable Clock & Buffers

Part No.	Product No.	Pkg.	Description	1	10	100
860289	CY2305SC-1H*	SOIC-8	Low cost 3.3V zero delay buffer, C-temp ..	\$1.85	\$1.68	\$1.51
860449	CY2305SX-1*	SOIC-8	Low cost 3.3V zero delay buffer, I-temp	1.25	1.11	1.03
860406	CY2305SXC-1H*	SOIC-8	Low cost 3.3V zero delay buffer, I-temp .....	.75	.70	.65
1181472	CY2305SXC-1T*	SOIC-8	Low cost 3.3V zero delay buffer, I-temp	★	Call	Call

★ Please call or visit our website for minimum order quantity and pricing

For IDT Clock Buffers visit www.Jameco.com - Keyword: IDTFor IDT High Speed Quick Switches visit www.Jameco.com - Keyword: IDTFor Dallas Semiconductor EconoResets visit www.Jameco.com - Keyword: Dallas

MAXIM UART

Part No.	Product No.	Pkg.	Description	1	10	100
810687	MAX3100EE+*	QSOP-16	SPI/microwire compatible, I-temp ..	\$9.49	\$7.54	\$6.50

TEXAS INSTRUMENTS UARTs

Part No.	Product No.	Pkg.	Description	1	10	100
760229	TL16C550CIP2*	LQFP-48	Asynch comm. element w/ autoflow control ..	\$4.79	\$4.11	\$3.86
760245	TL16C550CPFB*	TQFP-48	Asynch comm. element w/ autoflow control ..	3.35	2.69	2.59
760317	TL16C752BPT*	LQFP-48	3.3V dual UART w/ 64-byte FIFO	7.05	6.46	6.00
1065199	TL16C754BPN*	LQFP-80	Quad UART w/ 64-byte FIFO	17.09	15.29	13.80

For NXP/Philips UART/DUARTs visit www.Jameco.com

UARTs

QUANTITY
SAVE

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43158	6402*	DIP-40	5V CMOS	\$7.49	\$6.42	\$5.99
27570	NS16C450N*	DIP-40	Asynch. communication element, 5V	3.45	2.71	(2.03)
27596	NS16550AN*	DIP-40	Asynch. communication element, 5V	6.55	5.56	(4.17)
288809	TL16C550CN	DIP-40	1-channel w/ 16-byte FIFO, 5V	2.79	2.27	1.79

★ Pull = Extra Savings

For NXP/Philips MUX/DEMUXs visit www.Jameco.com

◆ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product

◆ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Encoders/Decoders

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
123730	HT12E	DIP-18	Encoder, 2.4-12V	\$1.69	\$1.49	\$1.29
123748	HT12D	DIP-18	Decoder, 2.4-12V	1.69	1.49	1.29
296711	MC145027P	DIP-16	Decoder, 4.5-18V	2.95	2.65	2.40

MAXIM For Maxim Decoder/Drivers visit www.Jameco.com - Keyword: Maxim

Stepper Motor Drivers/Controllers

QUANTITY
SAVE

Part No.	Cross Ref.	Pkg.	Description	1	10	100
924545	L293DD*	SOIC-20	Push pull 4-ch driver w/ diodes	\$5.29	\$4.63	\$3.45
288067	L297/1	DIP-20	Stepper motor controller, 5V	5.19	4.99	4.46
245403	L298N	MW-15	Dual full-bridge driver, 46V	3.05	2.65	2.45
288091	L6202	DIP-18	DMOS full bridge driver, 48V	5.69	5.12	(3.84)
288104	L6203*	MW-11	DMOS full bridge driver, 48V	9.99	9.32	(6.99)

KAE Servo and Stepper Motor Controllers

Controllers operate from standard 8-bit serial interface (RS232 or RS485). Using RS485, any mix of up to 32 controllers may be operated from a single serial port. Complete documentation.



175901: PIC-STEP Motion Control Chip for Stepper Motors

- Step rates up to 50,000 steps/sec. - suitable for use with microstepping drivers
- Trapezoidal positioning and profiled velocity modes
- Programmable current limits automatically switch between holding and running currents
- Programmable accelerations and minimum step rates

323934: PIC-SERVO SC Servo Motion Control I.C.

- For DC motors (brush or brushless w/ incremental encoder feedback)
- Serial interface connects to RS232/485/422 communication port
- Position control, velocity control, trapezoidal profiling, plus step and direction inputs

Part No.	Product No.	Package	1	10	50
175901	KAE-T3V1-DP	DIP-28, 0.3"	\$25.49	\$21.53	\$20.50
323934	KAE-T0V10-DP	DIP-28, 0.3"	32.95	30.25	28.33

MAXIM For Maxim Analog Switches visit www.Jameco.com - Keyword: Maxim

A/D & D/A Converters

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Part No.	Product No.	Pkg.	Description	1	10	100
886307	ADC0802LCN	DIP-20	8-bit μ P compatible ADC, \pm 1LSB, I-temp ..	\$6.19	\$4.85	\$3.91
828342	ADC0804LCN/NOPB*	DIP-20	8-bit μ P compatible ADC (\pm 1LSB)	2.45	1.84	1.70
886323	ADC0804LCWM	SOIC-20	8-bit μ P compatible ADC (\pm 1Bit)	2.49	1.86	1.30
831066	ADC0820CCN/NOPB*	DIP-20	8-bit hi-spd μ P, ADC w/ track/hold (\pm 1LSB)	3.25	2.89	(2.17)
831171	ADC0831CCN/NOPB*	DIP-8	8-bit ADC, 5V, 32 μ s	2.19	1.62	1.50
889057	ADC0834BCN	DIP-14	8-bit serial I/O ADC w/ MUX (4 analog input)	3.35	2.84	(2.13)
1252488	ADC0838CCN/NOPB*	DIP-20	8-bit serial ADC, 5V, 32 μ s	2.65	2.05	1.55
889111	ADC0848CCV	PLCC-28	8-bit μ P, ADC w/ MUX options (8-ch, \pm 1LSB)	5.25	4.79	4.43
831921	DAC0808LCM	SOIC-16	8-bit, 150ns, \pm 4.5 to \pm 18V, 33mW	1.55	1.20	.92

TEXAS INSTRUMENTS A/D & D/A Converters

QUANTITY
SAVE

Part No.	Product No.	Pkg.	Description	1	10	100
761248	TLC5491P*	DIP-8	8-bit ADC w/ serial control	\$2.35	\$1.87	\$1.81
891923	ADS5500IPAPP*	PAP-64	14-bit, 125MSPS ADC	127.35	118.41	111.56
824561	TLC7226CN*	DIP-20	Quad 8-bit DAC	5.59	5.17	(3.88)

MAXIM For Maxim A/D & D/A Converters visit www.Jameco.com - Keyword: Maxim

A/D & D/A Converters

QUANTITY
SAVE

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43748	7106CPL*	DIP-40	A/D, 3 1/2-digit LCD/LED display, 9V ..	\$2.55	\$2.25	(\$1.69)
43756	7107CPL*	DIP-40	A/D, 3 1/2-digit LCD/LED display, \pm 5V ..	2.95	2.40	2.05
75683	ICL7107CPL	DIP-40	A/D, 3 1/2-digit LCD/LED display, 6V ..	3.29	3.06	2.87
290263	ICL7135CPI	DIP-28	A/D, 4 1/2-digit BCD output, 5V	5.55	4.53	(3.40)
10145	ADC0803LCN*	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-channel	4.29	3.65	2.74
10153	ADC0804LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-channel	1.99	1.75	1.39
10170	ADC0808CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-channel	4.39	3.99	3.09
10188	ADC0809CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-channel	3.85	3.08	(2.31)
10225	ADC0820CCN	DIP-20	A/D, 8-bit, 5V, 1.5 μ s	3.19	2.41	2.22
116100	ADC0831CCN	DIP-8	A/D, 8-bit, 5V, 32 μ s	1.79	1.63	1.48

A/D, D/A Converters, Voltage Converters & Regulators

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	BRAND NAME	SUPPLIERS VARY	FACTORY OVERRUN

Additional ICs are available online at www.Jameco.com/Semiconductors

A/D & D/A Converters (Cont.)



Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	QUANTITY SAVE	1	10	100
277131	MAX1108CPE	DIP-16	A/D, 14-bit, 5V, 50sps, 2-channel	..	\$11.69	\$9.21	\$7.58
287363	AD7714AN	DIP-24	A/D, 24-bit, 5V, 1-2.5MHz, 6-ch	.....	17.95	17.22	16.95
115158	AD558JN	DIP-16	D/A, 8-bit, 5-15V, 1-5 μ s, 1-ch	.....	12.59	11.99	11.29
296690	AD7226KN	DIP-20	D/A, 8-bit, 2-12.5V, 4 μ s, 4-channel	.....	18.19	17.17	15.95
14904	DAC0800LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	.....	1.59	1.20	.89
14947	DAC0808LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	.....	1.43	1.18	.75
128186	DAC0832LCN	DIP-20	D/A, 8-bit, 5-15V, 1 μ s	.....	3.15	2.41	1.81
1944581	KDA0408	DIP-42	D/A, 8-bit, 5V, 60MSPS, triple	.....	5.55	4.53	3.40
290976	TLV5628CN	DIP-16	D/A, 8-bit, 3V, 1MHz, 8-channel	.....	4.99	4.05	3.15
290052	TLC7524CN	DIP-16	D/A, 8-bit, 5-15V, 100ns	.....	3.19	2.60	1.95
239425	TLC5615CP	DIP-8	D/A, 10-bit, 5V, 12 μ s, 1-channel	.....	3.39	3.26	3.13



Power Management

Part No.	Product No.	Pkg.	Description	1	10	100
1272649	LM3478MM/NOPB	MSOP-8	Hi-eff low-side N-ch contr. for switching reg.	....	★	Call
902602	LM78S40CN	DIP-16	Universal switching reg. subsystem	...	1.01	.94

★ Please call or visit our website for minimum order quantity and pricing

For Texas Instruments Power Mgmt DC-DC Converters visit www.Jameco.com



Power Management Volt. Reference

Part No.	Product No.	Pkg.	Description	1	5	100
827155	LM4041C12IDBZT	SOT-23/3	1.2V precision micropower shunt volt. ref.	\$1.32	\$1.13	\$0.94

intersil Voltage Converters

Part No.	Product No.	Pkg.	Description	1	10	100
1922269	ICL7660CBAZ	SOIC-8	1.5-10V CMOS pos. neg. converter, I-temp	..	\$0.64	\$0.60
1139549	ICL7660SCBA	SOIC-8	1.5-12V Vrange pos-neg CMOS conv. contr., C-temp	...	1.79	1.39

MAXIM Voltage Detection

Part No.	Product No.	Pkg.	Description	1	10	100
881338	ICL7665ACPA	DIP-8	μ P volt monitor w/ dual detection, C-temp	...	\$4.59	\$3.52



For Maxim DC-DC Controllers visit www.Jameco.com - Keyword: Maxim



For ON Semi DC-DC Controllers visit www.Jameco.com - Keyword: ON Semi



Shunt Voltage References

Part No.	Product No.	Pkg.	Description	Price
1283815	LM4040AIM3-5.0/NOPB	SOT-23	Precision μ pwr, \pm 0.1%, I-temp	★ Call
1284412	LM4040BIM3-2.5/NOPB	SOT-23	Precision μ pwr, \pm 0.2%, I-temp	★ Call
886972	LM4040CIM3-2.5/NOPB	SOT-23	Precision μ pwr, \pm 0.5%, I-temp	★ Call
887182	LM4040DIM3-2.5/NOPB	SOT-23	Precision μ pwr, \pm 1%, I-temp	★ Call
836107	LM4040DIM3-5.0	SOT-23	Precision μ pwr, \pm 1%, I-temp	★ Call
887271	LM4041AIM3-1.2	SOT-23	Precision μ pwr, \pm 0.1%, I-temp	★ Call

★ Please call or visit our website for minimum order quantity and pricing



Simple Switcher® Voltage Regulators

Part No.	Product No.	Pkg./Pins	Description	QUANTITY SAVE	1	10	100
156566	LM2574N-5	DIP-8	Step-down 5-voltage regulator	.....	\$1.85	\$1.52	\$1.16
835884	LM2574N-ADJ/NOPB	DIP-8	500mA, adjustable step-down volt. reg.	...	1.39	1.25	1.14
279638	LM2575HVT-5.0	TO-220/5	Switcher 1A step-down V-reg, hi Vin range	..	3.95	3.74	3.52
894374	LM2575S-5.0	TO-263/5	Simple switcher 1A step-down volt. reg.	...	2.05	1.54	1.41
836001	LM2575S-5/NOPB	TO-263/5	Simple switcher 1A step-down volt. reg.	...	1.99	1.52	1.40
894534	LM2575T-5/NOPB	TO-220/5	Simple switcher 1A step-down volt. reg.	...	1.89	1.45	1.33
894500	LM2575T-5.0/LB03	TO-220/5	1A, 5V step-down voltage regulator	.....	2.95	2.35	1.73
836078	LM2575T-ADJ/NOPB	TO-220/5	Simple switcher 1A step-down volt. reg.	...	1.89	1.73	1.48
192372	LM2576HVT-ADJ	TO-220/5	Switcher 3A step-down V-reg, high Vin range	..	5.09	3.93	2.95
245569	LM2576T-5.0	TO-220/5	Simple switcher 3A step-down voltage reg.	...	2.05	1.72	1.29
894817	LM2576T-5.0/LB03	TO-220	Simple switcher 3A step-down, I-temp	.....	2.95	2.43	2.24
120977	LM2576T-ADJ	TO-220/5	Simple switcher 3A step-down voltage reg.	...	2.55	1.92	1.44
310391	LM2596S-5.0	TO-263/5	Simple switcher 3A step-down voltage reg.	...	4.25	3.61	2.71
1922841	LM2674M-5.0/NOPB	SOIC-8	Pwr. conv. hi-eff 500mA step-down volt. reg.	...	3.19	3.00	2.85
1298751	LM2675M-5.0/NOPB	SOIC-8	Pwr. conv. hi-eff 1A step-down volt. reg.	...	3.95	3.01	2.76

◆ This product typically requires two additional days to ship. Please request "ship partial" if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)



Low Drop-Out Voltage Regulators

Part No.	Product No.	Pkg./Pins	Description	1	10	100
835577	LM1084IS-ADJ/NOPB	TO-263/3	5A adj. LDO pos reg, I-temp	.....	\$2.69	\$2.49
835631	LM1086CT-ADJ/NOPB	TO-220/3	1.5A adj. LDO pos reg, C-temp	.....	1.65	1.52
896935	LM2936M-5.0	SOIC-8	Ultra low quiescent curr. volt reg	...	1.89	1.36
897188	LM2937ET-3.3	TO-220	500mA, 3.3V LDO volt reg, I-temp	..	2.45	1.81
297810	LM2937ET-5.0	TO-220	500mA, 5V LDO regulator	.....	2.05	1.51
897381	LM2940CT-5.0/NOPB	TO-220/3	1A, 5V LDO pos regulator	.....	1.26	.94
837505	LM2940T-5.0/NOPB	TO-220	1A, 5V LDO volt reg, I-temp	.....	1.79	1.34
897655	LM2940T-10.0	TO-220	1A, 10V LDO volt reg, I-temp	.....	1.31	1.18
837441	LM2940T-10.0/NOPB	TO-220	1A 10V LDO reg, I-temp	.....	1.03	.96
837564	LM2941CT/NOPB	TO-220/5	1A adj LDO pos regulator	.....	1.06	.80
1326133	LP2985IM5-5.0/NOPB	SOP-5	150mA, 5V μ pwr low noise ultra reg	..	.97	.69
897938	LM2990S-5.0	TO-263/3	1A -5V negative LDO, I-temp	.....	2.85	2.64
837695	LM2991S/NOPB	TO-263/5	-3V to -24V neg LDO adj. reg	.....	2.85	2.64
901351	LM3940IS-3.3	TO-263/3	1A LDO reg for 5V to 3.3V conversion	....	1.99	1.63
840034	LM3940IT-3.3/NOPB	TO-220/3	1A LDO reg for 5V to 3.3V conversion	....	2.05	1.51



Low Drop-Out Voltage Regulators

Part No.	Product No.	Pkg/Pins	Description	1	10	100
1119791	TPS7701KTTT	TO-263	Fast transient response 3A reg, I-temp	..	\$5.35	\$5.00
700496	TPS78625KTTT	TO-263	Ultra-low noise, hi-PSRR 1.5A	.....	3.55	2.85



For Linear Tech Low Drop-Out Voltage Regulators visit www.Jameco.com

Low Drop-Out Volt. Regulators



Manufacturer may vary

Part No.	Cross Ref.	Pkg/Pins	Description	QUANTITY SAVE	1	10	100
299743	LM1084IT-ADJ	TO-220	5A low dropout adj. pos. volt. reg.	...	\$1.99	\$1.52	\$1.13
299735	LM1084IT-3.3	TO-220	5A low dropout 3.3V pos. volt. reg.	...	3.09	2.33	1.63
282757	LT1085CT	TO-220	3A low drop pos volt reg. adj./fixed	.....	1.49	1.35	1.01
192305	LM1086CT-3.3	TO-220/3	1.5A low dropout positive reg. (3.3V)	...	1.20	.89	.79
192313	LM1086CT-5.0	TO-220/3	1.5A low dropout positive reg. (5V)	...	1.49	1.27	.95
251782	LM1117MPX-ADJ	SOT-223/3	800mA low dropout linear regulator	.....	.62	.53	.398
242114	LM1117T-3.3	TO-220/3	800mA, 3.3V, LDO voltage reg.	.....	.66	.63	.57
314326	AP1184K5L	TO-263/5	4A ultra LDO adj. reg.	.....	5.29	3.69	3.29
192495	LM2940CT-12	TO-220/3	12V LDO reg. (max. 45Vin)	.....	1.49	1.46	1.34
107182	LM2940CT-5	TO-220/3	5V LDO reg. (max. 45Vin)	.....	1.39	1.05	.77
121064	LM2941CT	TO-220/5	1A LDO adjustable reg. (45Vin)	.....	1.55	1.12	.84
1944880	LP2950ACN	TO-92	100mA adj. LDO volt. regulator	.....	.39	.29	.19
266757	LP2950CZ-5.0	TO-92	100mA low pwr. LDO volt. regulator	...	.79	.59	.44
1315492	LP2951CN-3.0	DIP-8	3V, 100mA LP LDO volt. reg. (I-temp)	.....	.59	.49	.35
192524	LM3940IT-3.3	TO-220/3	1A LDO for 5V to 3.3V	.....	1.95	1.46	1.09



Voltage Regulators

Part No.	Product No.	Pkg.	Description	1	10	100
786138	LM7805CT_NL	TO-220	5V, 1A pos. voltage reg., I-temp	.....	\$0.64	\$0.54
973831	LM78L05ACZ_NL	TO-92	5V, 100mA pos. voltage reg., I-temp	...	.24	.216
871658	MC78T12CT	TO-220	12V, 3A pos. voltage reg., I-temp	.....	1.13	.93



Voltage Regulators

Part No.	Product No.	Pkg.	Description	1	10	100
764094	UA7805CKC	TO-220	5V, 1.5A pos. voltage reg., I-temp	.....	\$0.64	\$0.57
764182	UA78L05ACLP	TO-92	5V positive voltage regulator	.....	.50	.30
1191566	78SR105VC	3-Pin	5V, 1.5A pos step-down integrated sw. reg	...	31.15	29.59
903630	MC79L05ACD	SOIC-8	-5V negative voltage regulator, I-temp	..	.50	.376



Voltage Regulators

* Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
889591	LM117K	TO-3/2	1.2V to 37V voltage regulator	.....	\$4.25	\$3.98
924570	L7805ACV	TO-220	5V, 1.5A pos. voltage regulator	.....	.71	.56
924609	L7805CT	TO-3	5V, 1.5A pos. voltage regulator	.....	2.19	2.10
924633	L7805CV	TO-220	5V, 1.5A pos. voltage regulator	.....	.59	.47
889428	L78L05ACZ	TO-92	5V, 100mA pos. voltage regulator	.....	.53	.423
889305	L7812CV	TO-220	12V, 1.5A pos. voltage regulator	.....	.59	.47
889567	L7915CV	TO-220	-15V negative voltage regulator	.....	* .267	.222

Additional Voltage Regulators are available online at www.Jameco.com/Semiconductors

Voltage Regulators



Part No.	Product No.	Pkg.	Description	1	10	100
1265262	LM317AEMP	SOT-223/4	3-term. 1A output adj pos reg, I-temp	★	Call	Call
837898	LM317AT/NOPB	TO-220	3-term. 1.5A output adj pos reg, I-temp	1.10	.82	.76
898359	LM317EMP	SOT-223/4	3-term. 1A output adj pos reg, C-temp	.61	.58	.55
837927	LM317HVT/NOPB	TO-220	3-term. 1A output adj pos reg, C-temp	1.59	1.27	1.21
898463	LM317LM/NOPB	SOIC-8	3-terminal adjustable pos regulator	.50	.33	.30
898543	LM317LZ/NOPB	TO-92	Adjustable, 100mA positive volt reg.	.37	.279	.242
898800	LM317T/NOPB	TO-220	Adjustable, 1.5A positive volt reg.	1.01	.94	.88
1268498	LM334Z/NOPB	TO-92	3-terminal adjustable current source	.52	.46	.36
1269781	LM336Z-5.0/NOPB	TO-92	5V reference diode	.94	.69	.50
838591	LM337LM/NOPB	SOIC-8	3-term. adjustable negative regulator	.50	.43	.41
1270467	LM337LZ/NOPB	TO-92	3-term. adjustable negative regulator	.95	.69	.49
899520	LM337T/NOPB	TO-220	1.5A adjustable negative regulator	1.22	.91	.84
838621	LM338T/NOPB	TO-220	5A adjustable positive regulator	1.43	1.33	1.25
899669	LM340LAZ-5.0	TO-92	3-terminal 5V positive regulator	1.07	.78	.57
899781	LM340S-5.0	TO-263	3-terminal 5V, 1A pos. reg., I-temp	1.59	1.22	.90
900017	LM340T-5.0	TO-220	5V, 1A positive volt regulator, I-temp	1.02	.91	.83
899933	LM340T-12	TO-220	12V, 1A positive volt reg., I-temp	1.65	1.22	.90
899976	LM340T-15	TO-220	3-terminal 15V, 1A positive regulator	1.65	1.22	.98
838831	LM340T-15/NOPB	TO-220	3-terminal 15V pos regulator, C-temp	1.03	.77	.71
107166	LM2936Z-5	TO-92	Ultra-low quiescent current 5V reg.	2.59	1.93	1.33
843446	LP2950CDT-5.0/NOPB	TO-252	Adjustable ppwr volt reg., I-temp	1.30	.95	.69
904712	LP2951CM/NOPB	SOIC-8	Adjustable ppwr volt reg., I-temp	.55	.45	.39
839762	LM385M-2.5/NOPB	SOIC-8	μPwr voltage reference diode	.55	.49	.45
902186	LM78L05ACM	SOIC-8	5V, 100mA positive volt regulator	.37	.321	.301
902291	LM78L05ACZ	TO-92	5V, 100mA positive volt regulator	.72	.52	.377
1303290	LM78L05ACZ/NOPB	TO-92	3-terminal 5V, 100mA positive reg.	.71	.52	.37
902346	LM78L12ACM	SOIC-8	3-terminal 12V, 100mA positive reg.	.55	.51	.37
902389	LM78L12ACZ	TO-92	3-terminal 12V positive regulator	.50	.35	.29
902514	LM78M05CDT/NOPB	TO-252	3-terminal 5V positive regulator	.74	.69	.65
902071	LM7805CT	TO-220	5V, 1A positive voltage regulator	.98	.92	.86
840886	LM7808CT/NOPB	TO-220	8V, 1A positive voltage reg., I-temp	1.23	1.09	.95
902127	LM7812CT	TO-220	12V, 1A positive voltage regulator	1.05	.90	.85
902151	LM7815CT	TO-220	3-terminal 15V positive regulator	1.04	.89	.84
902637	LM7905CT	TO-220	3-terminal -5V negative regulator	.86	.81	.76
902661	LM7912CT	TO-220	3-terminal -12V negative regulator	.86	.80	.75
902696	LM7915CT	TO-220	3-terminal -15V negative regulator	.86	.80	.75
902215	LM78L05ACM/NOPB	SOIC-8	3-terminal 5V positive regulator	.50	.314	.26
840915	LM78L12ACM/NOPB	SOIC-8	3-terminal 12V positive regulator	.50	.35	.31
902725	LM79L05ACM	SOIC-8	3-terminal -5V negative regulator	1.03	.73	.53
1305287	LM79L05ACZ/NOPB	TO-92	3-terminal -5V negative regulator	.50	.35	.31
902864	LM79L12ACZ	TO-92	3-terminal -12V negative regulator	.51	.41	.31

★ Please call or visit our website for minimum order quantity and pricing

ON Semiconductor Volt. Regulators



* Minimum order 10 pieces

Part No.	Product No.	Pkg/Pins	Description	QUANTITY SAVE	1	10	100
886315	LM317BD2T	D2PAK	Adj. 1.5A pos. volt reg., I-temp		\$.87	\$.74	\$.58
876037	MC7805ACD2TG	D2PAK	5V, 1A pos. volt reg., C-temp .....		.80	.73	.548
797267	MC7805ACTG	TO-220/3	5V, 1A pos. volt reg., C-temp .....		.45	.375	.348
876109	MC7805BT	TO-220	5V, 1A pos. volt reg., I-temp .....		.47	.441	.397
876125	MC7805BTG	TO-220/3	5V, 1A pos. volt reg., I-temp .....		.31	.255	.236
876221	MC7805CT	TO-220	5V, 1A pos. volt reg., C-temp .....		.43	.416	.374
876248	MC7805CTG	TO-220/3	5V, 1A pos. volt reg., C-temp .....		.32	.272	.256
797304	MC7806ACT	TO-220/3	6V, 1A pos. volt reg., C-temp .....		.54	.432	.324
876352	MC7809CT	TO-220/3	9V, 1A pos. volt reg., C-temp .....		.56	.466	.373
797435	MC7812ACTG	TO-220/3	12V, 1A pos. volt reg., C-temp .....		.322	.306	.294
876395	MC7812BTG	TO-220	12V, 1A pos. volt reg., I-temp .....		.44	.375	.297
876441	MC7812CTG	TO-220/3	12V, 1A pos. volt reg., C-temp .....		.369	.35	.256
876715	MC78L05ACP	TO-92/3	5V, 100mA pos. volt reg., C-temp	*	.165	.135	
876791	MC78L08ACPG	TO-92/3	8V, 100mA pos. volt reg., C-temp .....		.38	.317	.23
876969	MC78M05BT	TO-220	5V, 500mA pos. volt reg., I-temp .....		.50	.42	.33
797566	MC78M05CTG	TO-220/3	5V, 500mA pos. volt reg., C-temp .....		.55	.50	.375
876563	MC7818CTG	TO-220	18V, 1A pos. volt reg., I-temp .....		.48	.43	.381
877179	MC7905CTG	TO-220/3	-5V, 1A neg. volt reg., C-temp .....		.43	.42	.31
877216	MC7908CTG	TO-220/3	-8V, 1A neg. volt reg., C-temp .....		.40	.338	.25
877275	MC7912CTG	TO-220/3	-12V, 1A neg. volt reg., C-temp .....		.56	.456	.36
877531	MC79L15ACP	TO-92	-15V, 100mA neg. volt reg., C-temp ...		.20	.178	.148

◆ This product typically requires two additional days to ship. Please request "ship partial" if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product

◆ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 175

Voltage Regulators



Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg/Pins	Description	1	10	100
23499	LM309K	TO-3/2	5V 1A regulator (0°C to +125°C)	\$5.89	\$5.01	\$3.76
192268	LM317AT	TO-220/3	3-terminal adjustable reg. (1.2V-37V)	1.75	1.25	.95
192276	LM317HVT	TO-220/3	3-terminal adjustable reg. (1.2V-57V)	1.99	1.68	1.26
23544	LM317K	TO-3/2	1.5A adj. pos. reg. (1.2V-37V)	2.05	2.03	1.77
23552	LM317LZ	TO-92	100mA adj. pos. reg. (1.2V-37V) .....	.46	.328	.261
23579	LM317T⊕**	TO-220/3	1.5A adj. pos. reg. (1.2V-37V) .....	.45	.39	.34
23667	LM323K	TO-3/2	5V 3A positive regulator	2.89	2.75	2.29
296841	LM337LZ	TO-92	3-terminal adj. neg. voltage reg. ....	.94	.69	.52
23819	LM337T⊕*	TO-220/3	1.5A/adj. neg. reg. (-1.2V-37V) .....	.59	.55	.44
23835	LM338K	TO-3/2	5A adj. pos. reg. (1.2V-32V)	5.69	4.47	3.74
192284	LM338T⊕	TO-220/3	5A adjustable regulator	2.39	1.78	1.19
23931	LM350K	TO-3/2	3A/3 term. adj. pos. reg. (1.2V-33V)...	4.85	4.57	4.15
23940	LM350T	TO-220/3	3A adjustable power regulator	1.09	.89	.69
24467	LM723CN*	DIP-14	Voltage regulator (2V-37V) .....	.61	.49	.37
301719	LM723H	TO-5	2V - 37V, 150mA adj. voltage reg.	5.39	4.56	3.42
298071	MAX755CSA	SOIC-8	-5V/adj., neg. output, invert, curr. mode PWM reg.	2.39	2.03	1.54
51246	7805K	TO-3/2	5V 1A pos. voltage reg. (LM340K-5) ..	5.15	3.95	2.95
51262	7805T⊕**	TO-220/3	5V 1A pos. voltage reg. (LM340T-5) ....	.35	.32	.28
51182	78L05CZ⊕**	TO-92	5V 100mA pos. voltage regulator .....	.29	.26	.25
192233	78M05	TO-220/3	5V 500mA pos. voltage regulator .....	.22	.19	.17
51297	7806T⊕	TO-220/3	6V 1A pos. voltage reg. (LM340T-6) ....	.43	.39	.293
51300	7808T⊕*	TO-220/3	8V 1A pos. voltage reg. (LM340T-8) ....	.56	.42	.316
192225	78L09ACZ	TO-92	9V 100mA pos. voltage regulator.....	.21	.18	.135
51318	7812K	TO-3/2	12V 1A pos. voltage reg. (LM340K-12) ..	2.19	1.80	1.35
51334	7812T⊕**	TO-220/3	12V 1A pos. voltage reg. (LM340T-12) ..	.35	.32	.24
51203	78L12*	TO-92	12V 100mA pos. voltage regulator	*	.131	.098
192241	78M12	TO-220/3	12V 500mA pos. voltage regulator .....	.25	.22	.199
51369	7815K	TO-3/2	15V 1A pos. voltage reg. (LM340K-15) ...	1.43	1.22	.92
51377	7815T⊕*	TO-220/3	15V 1A pos. voltage reg. (LM340T-15) ..	.32	.272	.204
194634	7818T	TO-220/3	18V 1A pos. voltage reg. (LM340T-18) ...	.54	.46	.345
51414	7824T⊕	TO-220/3	24V 1A pos. voltage reg. (LM340T-24) ..	.39	.356	.267
51457	7905T*	TO-220/3	-5V 1A neg. voltage reg. (LM320T-5) ...	.42	.38	.36
51422	79L05	TO-92	-5V 100mA neg. voltage regulator .....	.30	.264	.198
51481	7912T*	TO-220/3	-12V 1A neg. voltage reg. (LM320T-12) ..	.35	.298	.224
51502	7915T⊕*	TO-220/3	-15V 1A neg. voltage reg. (LM320T-15) ..	.32	.272	.204

* 10 pcs. / ** 20 pcs. included in Linear kit, pg 21

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Switching Regulators

Part No.	Product No.	Pkg	Description	1	10	100
1753653	LTC1735CS#PBF	SOIC-16	Hi eff. sync. step-down swtch. reg., C-temp	\$5.79	\$5.39	\$5.13
1742524	LT1959CS#PBF	SOIC-8	4.5A 500kHz step-down, C-temp	8.19	7.66	7.29



Voltage & Current Reference

Part No.	Product No.	Pkg	Description	1	10	100
1727607	LT1019IN8-5#PBF	DIP-8	Precision reference, I-temp	\$9.09	\$8.49	\$8.07
1727746	LT1021DCN8-5	DIP-8	Precision reference	4.95	4.75	4.58



Hot Swap Controller

Part No.	Product No.	Pkg	Description	1	10	100
1739288	LT1640LIS8#PBF	SOIC-8	Negative voltage hot swap controller	\$4.05	\$3.76	\$3.59



Audio Amps

Part No.	Product No.	Pkg/Pins	Description	1	10	100
839543	LM380N/NOPB	DIP-14	2.5-watt audio power amp.	\$1.55	\$1.15	\$0.85
839586	LM384N/NOPB	DIP-14	5-watt audio power amp.	.98	.93	.88
839826	LM386N-1/NOPB	DIP-8	Low voltage audio power amp.	1.09	.79	.57
835788	LM1877M-9/NOPB	DIP-14	Dual audio power amp.	1.75	1.49	1.12



Audio Amp



Part No.	Product No.	Pkg/Pins	Description	1	10	100
1416999	TDA2030V	PWAT-5	14W hi-fi audio amp.	\$2.25	\$2.13	\$1.84

Amps, Comparators & Buffers

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	BRAND NAME	SUPPLIERS VARY	FACTORY OVERRUN

Additional ICs are available online at www.Jameco.com/Semiconductors



Audio Amps

Part No.	Product No.	Pkg.	Description	1	5	50
828545	OPA134PA	DIP-8	High performance audio op amp.	\$2.19	\$1.79	\$1.55
275830	OPA2134PA	DIP-8	High-performance audio op amp.	2.29	1.85	1.77

Audio Amps



Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
243678	OP275GP	DIP-8	Dual JFET audio op amp.	\$1.85	\$1.66	\$1.47
24037	LM380N	DIP-14	2-watt audio power amp.	1.31	.98	.73
24088	LM383T	TO-220/5	7-watt audio high power amp.	5.95	5.39	4.95
24096	LM384N	DIP-14	5-watt audio amp.	1.55	1.15	.85
24125	LM386N-1	DIP-8	Low voltage audio amp. 250mW/6V	.68	.51	.42
24133	LM386N-3	DIP-8	Low voltage audio amp. 500mW/9V	.69	.59	.49
295718	LM1203N	DIP-28	RGB video amp.	4.55	3.87	2.90
24942	MC1350P	DIP-8	Video IF amp. (12V operation)	2.49	2.25	2.05
23288	LM1877N-9	DIP-14	Dual power audio amplifier	1.13	1.02	.93
245542	LM1881M	SOIC-8	Video synchronous separator	2.35	2.00	1.49
107140	LM1881N	DIP-8	Video synchronous separator	2.85	2.19	1.66
32897	TDA2002V	TO-220/5	8-watt audio high power amp.	4.49	4.02	3.60
315344	TDA2040V	PWAT-5	20W hi-fi audio power amp.	2.35	2.00	1.50
252013	LM3875T	TO-220/11	56W high perf. audio power amp.	5.19	4.40	4.00
320670	LM3886TF	TO-220/11	68W high perf. audio amp., isol. pkg.	6.35	5.40	4.05
192516	LM3886T	TO-220/11	68W high perf. audio amp.	6.09	5.18	3.89
302201	LM4752T	TO-220	Stereo 11W audio power amp.	2.55	2.17	1.63
316873	MC34119D	SOIC-8	LP audio amp. (500mW, 16VDC)	1.29	.99	.89
316865	MC34119P	DIP-8	LP audio amp. (500mW, 16VDC)	1.23	1.01	.78

*10 pieces included in Linear kit, pg 21



Instrumentation Amps

Part No.	Product No.	Pkg.	Description	1	10	100
1729979	LT1101IN#PBF	DIP-8	Precision, μ pwr snl supply, I-temp	\$11.45	\$10.71	\$10.18
1755510	LTC2053IMS#PBF	MSOP-8	Prec. r-to-r zero-drift resistor prog., I-temp	6.79	6.35	6.04



Instrumentation Amp



Part No.	Product No.	Pkg/Pins	Description	1	5	50
825934	INA126PA	DIP-8	μ Pwr instrumentation amp	\$2.25	\$1.78	\$1.73



Comparator

Part No.	Product No.	Pkg.	Description	1	10	100
1730419	LT1116CS#PBF	SOIC-8	12ns snl supply ground-sensing comp.	\$6.99	\$6.53	\$6.21



Comparators

Part No.	Product No.	Pkg.	Description	1	10	100
898181	LM311M	SOIC-8	Voltage comparator	\$5.50	\$3.78	\$3.55
837812	LM311N/NOPB	DIP-8	Voltage comparator	.94	.68	.49
898885	LM319M/NOPB	SOIC-14	High speed dual comparator	.56	.53	.502
900535	LM361M	SOIC-14	Hi-speed differential comparator	2.99	2.21	1.63
901159	LM393M	SOIC-8	LP low-offset volt dual comp, C-temp	.50	.38	.34



Comparators

* Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
1922736	LM139AD	SOIC-14	Quad differential comparator, I-temp	\$1.69	\$1.60	\$1.52
1344454	LM311P	DIP-8	Differential comp w/ strobes, C-temp	.50	.323	.291
760350	TL331DBVR	SOT-23/5	Single differential comparator, I-temp	*	Call	Call
826742	LM339N	DIP-14	Quad differential comparators	.44	.356	.267
1923173	LM393ADR	SOIC-8	Dual differential comparator, C-temp	*	.161	.152
903007	LM393P	DIP-8	Dual differential comparator, C-temp	.43	.34	.23
1922912	LM2901DR	SOIC-14	Quad differential comparator, I-temp	*	.168	.16
902303	LM2903DR	SOIC-8	Dual differential comparator, I-temp	*	.16	.15
826419	TLV3402ID	SOIC-8	Nanopwr open drain output, I-temp	2.39	2.19	2.03

* Please call or visit our website for minimum order quantity and pricing

Comparators



Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
282087	LM139J	CDIP-14	Low pwr, low offset volt quad comp.	\$3.25	\$2.76	\$2.07
23528	LM311N	DIP-8	Voltage comparator	.35	.298	.224
143888	LM339AN	DIP-14	Low power quad comparator	.29	.244	.221
193594	LM339M	SOIC-14	Low power low offset volt quad comp.	.33	.276	.204
23851	LM339N	DIP-8	Quad comparator	.21	.19	.165
120900	LM392N	DIP-8	Low power op amp./volt comp.	1.19	.90	.68
212177	LM393AN	DIP-8	Low pwr low offset volt dual comp.	.24	.207	.147
24281	LM393N	DIP-8	Dual comparator	.20	.17	.128
107238	LM3302N	DIP-14	Low power low offset volt quad comp.	.40	.336	.252
1944741	TS3721IN	DIP-8	LP dual CMOS volt comp. (I-temp)	.75	.59	.45

*10 pcs./ *20 pcs. included in Linear kit, pg 21



Buffers



Part No.	Product No.	Pkg.	Description	1	10	100
277552	BUF634P	DIP-8	250mA high speed buffer	\$5.99	\$5.59	\$5.29
277544	BUF634T	TO-220	250mA high speed buffer	8.95	8.25	7.75

Buffer

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
23051	LH0002CN	DIP-10	General purpose buffer	\$13.75	\$11.48	\$8.91

Analog Devices Amplifiers

Part No.	Product No.	Pkg.	Description	1	10	100
1780862	AD620ANZ	DIP-8	Low cost, LP instrumentation amp	\$6.89	\$6.28	\$5.70
1791668	AD823ANZ	DIP-8	Dual 16MHz r-to-r FET input amp	5.55	4.75	4.57



Amplifiers

Part No.	Product No.	Pkg.	Description	1	10	100
1557151	MGA-53543-BLKG	SOT-343	50MHz to 6GHz high linear amplifier	\$3.59	\$2.87	\$2.61
1557185	MGA-565P8-BLKG	LPCC 2x2	20dBm P_{SAT} hi-isolation buffer amp	2.99	2.40	2.18
1557222	MGA-62563-BLKG	SOT-363	Current adjustable low noise amp	2.05	1.91	1.79
1557329	MGA-82563-BLKG	SOT-363	0.1-6GHz, 3V, 17dBm amplifier	2.15	2.00	1.87
1557396	MGA-86576-STRG	76-pkg.	1.5-8GHz low noise GaAs MMIC amp	7.95	7.39	6.93



High Performance Amps

Part No.	Product No.	Pkg.	Description	1	10	100
1729910	LT1097CN8#PBF	DIP-8	Low power precision op amp	\$3.25	\$3.03	\$2.88
1746592	LTC1151CN8#PBF	DIP-8	Dual \pm 15V zero-drift op amp	11.29	10.56	10.04
1733257	LT1229CS8#PBF	SOIC-8	Dual 100MHz curr. feedback amp	8.19	7.63	7.26
1736992	LT1490CS8#PBF	SOIC-8	Dual μ pwr rail-to-rail I/O op amp	4.15	3.84	3.65



For Linear Tech Rail-to-Rail Amps visit www.Jameco.com

Analog Devices Op Amp



Part No.	Product No.	Pkg.	Description	1	10	100
312750	AD8052AR	SOIC-8	Low-cost high speed r-r	\$3.09	\$2.61	\$1.96



Op Amps



Part No.	Product No.	Pkg.	Description	1	10	100
239222	LTC1001CN8	DIP-8	Precision op amp	\$2.75	\$2.05	\$1.89
300193	LTC1050CN8	DIP-8	Precision zero drift w/ internal cap	4.59	3.90	2.93
1731059	LT1122CS8#PBF	SOIC-8	Fast settling, JFET input op amp, I-temp	5.55	5.12	4.79



Op Amps



Part No.	Product No.	Pkg/Pins	Description	1	10	100
120723	LM12CLK	TO-3/4	80W op amp	\$17.05	\$16.10	\$15.30
838209	LM321MF/NOPB	SOT-23/5	Low power single op amp	.75	.541	.392
899247	LM324AM/NOPB	SOIC-14	Low power quad op amp	.58	.527	.479
838233	LM324AN/NOPB	DIP-14	Low power quad op amp	.64	.57	.52
899335	LM324M	SOIC-14	Low power quad op amp	.50	.42	.379
838284	LM324N/NOPB	DIP-14	Low power quad op amp	.64	.57	.52
833854	LF347N/NOPB	DIP-14	Wide bandwidth quad JFET input op amp	1.32	1.19	1.08
838911	LM348N/NOPB	DIP-14	Quad 741 op amp	.73	.66	.62

Additional Op Amps are available online at www.Jameco.com/Semiconductors



Op Amps (Continued)



Part No.	Product No.	Pkg/Pins	Description	1	10	100
893110	LF353M	SOIC-8	Wide bandwidth dual JFET input op amp	\$1.19	\$.88	\$.64
893908	LM358AM/NOPB	SOIC-8	Low power dual op amp	1.07	.76	.55
893932	LM358AN/NOPB	DIP-8	Low power dual op amp	.99	.74	.53
900480	LM358M/NOPB	SOIC-8	Low power dual op amp, C-temp	1.03	.73	.53
893967	LM358N/NOPB	DIP-8	Low power dual op amp	1.09	.79	.57
835500	LF411CN/NOPB	DIP-8	Low-offset, low-drift JFET input op amp	.77	.72	.68
835526	LF412CN/NOPB	DIP-8	Low-offset, low-drift dual JFET input op amp	1.65	1.22	.90
835542	LF442CN/NOPB	DIP-8	Dual low power JFET input op amp	1.75	1.27	.92
893232	LF444CM	SOIC-14	Quad low power JFET input op amp	1.89	1.41	1.04
835569	LF444CN/NOPB	DIP-14	Quad low power JFET input op amp	1.18	1.06	.97
903533	LMC662AIN	DIP-8	CMOS dual op amp	2.29	1.72	1.30
840763	LM741CN/NOPB	DIP-8	General purpose op amp	.82	.60	.43
835702	LM1458M/NOPB	SOIC-8	Dual op amp	1.05	.74	.54
836625	LM2904M/NOPB	SOIC-8	Low power dual op amp, I-temp	.50	.39	.366
841897	LM608IN	DIP-8	Precision CMOS single op amp	2.69	2.06	1.88
901870	LM6172IM	SOIC-8	Dual hi-spd LP low-dist volt feedback, I-temp	3.75	3.49	3.27
126893	LMC6482AIN	DIP-8	CMOS dual r-r input/output, lower VOS	1.89	1.43	1.31
842128	LMC6484AIM/NOPB	SOIC-14	CMOS quad r-r input & output op amp	2.75	2.45	2.29
301356	LMC6484AIN	DIP-14	CMOS quad r-r I/O op amp., lower VOS	2.99	2.09	1.82
1314677	LMC7101AIMS/NOPB	SOT-23/5	Tiny LP op amp w/ r-r input & output	★	Call	Call

★ Please call or visit our website for minimum order quantity and pricing

NTE Op Amp



Part No.	Product No.	Pkg/Pins	Description	1	10	25
260216	NTE941	TO-5/8	Operational amplifier	\$5.85	\$5.69	\$5.55

TEXAS INSTRUMENTS Op Amps



* Minimum order 10 pieces

Part No.	Product No.	Pkg/Pins	Description	1	10	100
828529	OP07DD	SOIC-8	Precision op amp, C-temp	\$.85	\$.70	\$.57
1925988	OP07DP1	DIP-8	Precision op amp, C-temp	.51	.483	.459
275805	OPA27GP	DIP-8	Ultra-low noise precision op amp	2.39	1.94	1.89
275784	OPA27GU	SOIC-8	Ultra-low noise precision op amp	2.89	2.39	2.26
759682	TL064ACN	DIP-14	Low power JFET input op amp	.67	.60	.52
759762	TL072ACD	SOIC-8	Low noise JFET input op amp	.73	.67	.62
759885	TL074BCD	SOIC-14	Low-noise JFET input op amp, C-temp	.83	.69	.55
821917	TL082CP	DIP-8	JFET input op amp, C-temp	*	.196	.184
760051	TL082ID	SOIC-8	JFET input op amp, I-temp	.55	.47	.35
760085	TL084ACD	SOIC-14	JFET input op amp, C-temp	.77	.65	.49
760149	TL084ID	SOIC-14	JFET input op amp	.86	.65	.49
1357132	OPA177GS	SOIC-8	Precision bi-polar op amp, I-temp	1.89	1.51	1.31
826671	LM324NE4	DIP-14	Quad op amp	*	.147	.131
901853	LF353P	DIP-8	JFET input dual op amp, C-temp	.52	.392	.294
901896	LF411CD	SOIC-8	JFET input op amp, C-temp	.55	.473	.439
905977	OPA551FAKTWT	DDPAK-7	High voltage, high current op amp	5.35	4.30	4.18
830522	UA741CP	DIP-8	Gen. purp. op amp	.39	.31	.23
830549	UA741CPE4	DIP-8	Gen. purp. op amp	*	.235	.185
1483243	LT1014CN	DIP-14	Quad precision op amp, C-temp	2.69	2.55	2.42
903509	MC1458P	DIP-8	Dual gen. purp. op amp	*	.135	.126
904413	OPA2131UA	SOIC-8	Gen purp FET input dual op amp, I-temp	3.99	3.21	3.10
904448	OPA2132UA	SOIC-8	Hi-spd FET input dual op amp, I-temp	5.35	4.30	4.18
823525	TLC2272AIP	DIP-8	Advanced LinCMOS® rail-to-rail op amp	1.79	1.63	1.52
904691	OPA2277U	SOIC-8	Hi precision dual op amp, I-temp	9.29	8.41	7.89
904721	OPA2277UA	SOIC-8	Hi precision dual op amp, I-temp	3.49	2.80	2.71
904894	OPA2350UA	SOIC-8	Hi-spd snl supply r-r dual op amp, I-temp	3.49	2.80	2.71
905491	OPA4132UA	SOIC-14	Hi-spd FET input quad op amp, I-temp	12.09	11.06	10.27
905643	OPA4277UA	SOIC-14	Hi precision quad op amp, I-temp	7.25	6.64	6.31
908289	RC4558P	PDIP-8	Dual gen. purp. op amp	.45	.36	.247
903939	NE5532ADR	SOIC-8	Dual low-noise op amp, C-temp	.64	.57	.50
904026	NE5534AP	DIP-8	Low noise op amplifier	.65	.59	.541

Op Amps



Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg/Pins	Description	1	10	100
27852	OP07CP	DIP-8	Ultra-low offset voltage op amp	\$.63	\$.62	\$.58
252988	OP07DP	DIP-8	Very low offset single bipolar op amp	.89	.74	.56
23106	LM10CLN	DIP-8	Low voltage (1.1 volt) op amp	2.35	1.77	1.49
120715	LM10CN	DIP-8	Op amp and voltage reference	2.45	1.90	1.43
115300	OP27EP	DIP-8	Low noise precision op amp	4.39	3.57	2.67
115318	OP27GP	DIP-8	Low noise prec op amp (-40° to 80°C)	2.29	1.83	1.45
1944812	TL27L2IN	DIP-8	Precision very low pwr CMOS dual op amp	.59	.49	.35
821676	TL051IP	DIP-8	Enhanced JFET low offset op amp	.59	.49	.35
214068	TL034CN	DIP-14	Enhanced low power/offset op amp	1.15	.94	.87
275768	OPA37GP	DIP-8	Ultra-low noise precision op amp	2.15	2.05	1.97
33187	TL071CP	DIP-8	Low noise JFET op amp	.39	.302	.23
33195	TL072CP	DIP-8	Low noise JFET dual op amp	.48	.454	.435
33216	TL074CN	DIP-14	Low noise JFET quad op amp	.58	.516	.41
213057	TL081ACP	DIP-8	JFET input op amp, low offset w/ control	.51	.432	.323
33232	TL081CP	DIP-8	JFET input op amp., offset control	.27	.24	.18
214076	TL082ACP	DIP-8	JFET input op amp., low offset	.66	.504	.279
33241	TL082CP	DIP-8	JFET input dual op amp	.53	.40	.30
214084	TL084ACN	DIP-14	JFET input op amp	.73	.55	.307
193535	TL084CD	SOIC-14	JFET input quad op amp	.33	.276	.208
33267	TL084CN	DIP-14	JFET input quad op amp	.49	.42	.315
245673	LM308AH	TO-5/8	Precision op amplifier	4.89	3.78	2.97
23464	LM308N	DIP-8	Precision op amplifier	6.59	5.95	5.35
23608	LM318N	DIP-8	Precision high speed op amplifier	.79	.72	.65
212169	LM324AN	DIP-14	Low power quad op amp, impr. offset	.35	.30	.25
23683	LM324N	DIP-14	Low power quad op amplifier	.28	.24	.21
22904	LF347N	DIP-14	Quad JFET input op amp (wide band)	.46	.392	.294
23915	LM348N	DIP-14	Quad 741 op amp (UPC4741C)	.37	.302	.226
22912	LF351N	DIP-8	BIFET op amplifier	.39	.35	.29
22939	LF353N	DIP-8	Dual BIFET (comp w/ TL082CP)	.48	.437	.402
22971	LF356N	DIP-8	JFET input op amplifier (wide band)	.95	.81	.59
120862	LM358AN	DIP-8	Low power dual (improved 358N)	.34	.29	.25
23966	LM358N	DIP-8	Low power dual op amplifier	.24	.21	.18
1944732	LS404CN	DIP-14	High performance quad op amp	.75	.65	.49
23018	LF411CN	DIP-8	Low offset drift JFET input op amp	1.35	1.00	.75
23026	LF412CN	DIP-8	Low offset drift JFET input dual	1.39	1.05	.78
106681	LF442CN	DIP-8	Dual low power JFET input op amp	1.35	1.00	.75
119992	LF444CN	DIP-14	Quad low pwr JFET input op amp	1.09	.92	.69
120926	LM675T	TO-220/5	Power op amplifier	5.79	4.41	3.36
24491	LM733CN	DIP-14	Differential amplifier	1.15	.99	.89
24521	LM741CH	TO-5/8	Op amplifier	4.15	3.18	2.39
24539	LM741CN	DIP-8	Op amplifier	.29	.25	.19
24563	LM747CN	DIP-14	Dual 741 op amplifier	.80	.67	.54
239169	LT1013CP	DIP-8	Dual precision op amplifier	1.16	1.00	.75
239177	LT1014DN	DIP-14	Quad precision op amplifier	3.55	2.99	2.89
23131	LM1458N	DIP-8	Dual op amplifier	.36	.33	.25
1944839	TLV2772CP	DIP-8	High slew rate r-to-r output, w/ shtdwn	1.75	1.49	1.09
12116	CA3080E	DIP-8	Op transconductance amp.	3.95	3.55	3.19
12183	CA3130E	DIP-8	CMOS op amplifier	.88	.85	.78
12204	CA3140E	DIP-8	Bi-MOS op amplifier	.51	.47	.42
24168	LM3900N	DIP-14	Quad amplifier	.77	.65	.53
29356	RC4136N	DIP-14	Quad op amp. (XR4136)	.82	.76	.57
251125	MC4558CN	DIP-8	Wide bandwidth dual bipolar op amp	.44	.334	.25
252970	NE5532AP	DIP-8	Dual lower noise op amplifier	.82	.69	.518
27385	NE5532N	DIP-8	Dual low noise op amplifier	.75	.59	.39
27406	NE5534	DIP-8	Low noise op amplifier	.81	.68	.54
192532	LM13700N	DIP-16	Dual op transcon. w/ diodes/buffer	1.20	.99	.93
871586	MC33204P	DIP-14	Low voltage, rail-to-rail op amp	.79	.65	.49
1944775	MC33174VP	DIP-14	Single supply 3V-44V op amp	.65	.59	.49
251061	MC34072P	DIP-8	Single supply 3V-44V op amp	1.11	.94	.71

* 10 pcs./ ** 20 pcs. in Linear cabinet kit, pg 21

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♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175](#)

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	BRAND NAME	SUPPLIERS VARY	FACTORY OVERRUN

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Additional Linear Series are available online at www.Jameco.com/Semiconductors

Analog Devices Linear Series

Part No.	Product No.	Pkg./Pins	Description	1	10	100
287785	AD581KH	TO-5/3	10V volt ref hi prec. 10mV tolerance	\$10.75	\$9.74	\$7.31
115174	AD620AN	DIP-14	Low-cost instrument amplifier	13.39	12.30	9.22
115182	AD633JN	DIP-8	Low-cost analog multiplier	8.59	7.73	6.96

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intersil Linear Series

Part No.	Product No.	Pkg.	Description	1	10	100
1922197	HI1-0508-2	DIP-16	Sngl 8-ch CMOS analog MUX, I-temp	\$12.25	\$11.60	\$11.02
1116241	DG408DYZ	SOIC-16	Single 8-ch CMOS analog MUX, I-temp	1.69	1.29	1.21
918410	SA604AD/01	SOIC-16	Hi-perf LP FM IF system, I-temp	4.65	4.27	3.93
918436	SA612AD/01	SOIC-8	Dbl balanced mixer & oscillator, I-temp	1.59	1.46	1.35
1114211	CA3240EZ	PDIP-8	Dual 4.5MHz BiMOS op amp	1.04	.83	.73
1420808	CDP68HC68T1E	PDIP-16	CMOS serial real time clk w/ RAM&pwr sense, I-temp	7.15	6.30	6.26
875704	ICM7555CBA	SOIC-8	General purpose timer	.40	.376	.335
875763	IS82C54	PLCC-28	CMOS prog. interval timer, I-temp	15.05	14.03	13.15
1115299	CP82C59A-12	PDIP-28	12.5MHz CMOS priority interrupt contr., C-temp	9.85	9.76	9.15

MAXIM Linear Series

Part No.	Product No.	Pkg.	Description	1	10	100
809441	MAX295CSA+	SOIC-8	8th order, low pass, sw. cap filter	\$7.09	\$5.84	\$5.36
881127	DG508ACJ	DIP-16	Monolithic CMOS analog MUX, C-temp	5.45	5.21	4.96
821360	MAX713CPE	DIP-16	NiCd/NiMH batt. fast-charge contr., C-temp	7.05	5.78	5.26
815779	MAX5437EUD	TSSOP-14	±15kV, 128-tap, low-drift digital pot., I-temp	8.95	7.35	6.69

National Semiconductor Linear Series

Part No.	Product No.	Pkg.	Description	1	10	100
839421	LM35DM/NOPB	SOIC-8	Precision centigrade temp sensor	\$1.08	\$1.01	\$.95
839455	LM35DT/NOPB	TO-220	Precision centigrade temp sensor	1.95	1.79	1.53
840827	LM75CIM-3/NOPB	SOP-8	Dig temp sensor & thermal watchdog w/ interf.	1.69	1.56	1.46
838372	LM331N/NOPB	DIP-8	Precision volt-to-freq. convr., C-temp	2.79	2.13	1.62
833969	LF398N/NOPB	DIP-8	Monolithic sample & hold circuits	1.01	.94	.88
840579	LM555CM/NOPB	SOIC-8	Timer	1.09	.81	.59
840608	LM555CN/NOPB	DIP-8	Timer	1.19	.89	.65
901917	LM556CN	DIP-14	Dual Timer	.96	.71	.64
893996	LM1881M/NOPB	SOIC-8	Video syn separator	2.89	2.69	2.52
889698	DS2003CM	SOIC-16	Hi curr./volt. darlington drv, C-temp	1.03	.93	.68
889743	DS2003CN	DIP-16	Hi curr./volt. darlington drv, C-temp	.63	.60	.56
889786	DS2003TM	SOIC-16	Hi curr./volt. darlington drv, I-temp	.60	.57	.538
896521	LM2907M-8	SOIC-8	Frequency to voltage converter	1.48	1.38	1.29
905117	LP2955M/NOPB	SOIC-8	DDR termination regulator	1.59	1.21	.92
843868	LP2966MR/NOPB	PSOP-8	DDR termination regulator	1.45	1.35	1.27
898148	LM3046M	SOIC-14	Transistor array	.55	.459	.431
900287	LM3524DN	DIP-16	Regulating pulse width modulator	1.85	1.45	1.07
842347	LMC7660IM/NOPB	SOIC-8	Switched capacitor volt convtr, I-temp	.58	.55	.517
842371	LMC7660IN/NOPB	DIP-8	Switched capacitor volt convtr, I-temp	2.29	1.79	1.03

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NIP/PHILIPS Linear Series

Part No.	Product No.	Pkg.	Description	1	10	100
918399	SA602AD/01	SOIC-8	Dbl balanced mixer & oscillator, I-temp	\$1.95	\$1.79	\$1.65
916932	HEF4051BPN	DIP-16	8-ch analog mux/demux, I-temp	.21	.203	.187
699624	P82B96TD	SOIC-8	Dual bidirectional bus buffer	2.89	2.65	2.42

NEW
MARKED IN PINK

ON Semiconductor Linear Series

Part No.	Product No.	Pkg.	Description	1	10	100
25021	MC14411P	DIP-24	Bit rate frequency generator	\$4.95	\$4.79	\$4.62
25064	MC14490P	DIP-16	Hex contact bounce eliminator	6.25	5.63	5.03
118586	MC145151P	DIP-28	Parallel input PLL freq synthesizer	6.15	5.20	4.10



VISHAY Linear Series

Part No.	Product No.	Pkg.	Description	1	10	100
813984	DG419DY-E3	SOIC-8	Precision CMOS analog switches	\$1.24	\$1.19	\$1.02

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product ♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

TEXAS INSTRUMENTS Linear Series

NEW
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* Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
1927174	TMP100NA/250	SOT-23/6	Digital temp sensor w/ I ² C interface, I-temp	★	Call	Call
1341966	L293DNE	DIP-16	Quad half-H drivers, I-temp	2.69	2.17	1.69
1342011	L293NE	DIP-16	Quad half-H drivers	2.69	2.17	1.68
760472	TL431AIDR	SOIC-8	Adj. prec shunt regulator, I-temp	★	Call	Call
760587	TL431IDR	SOIC-8	Adj. prec shunt regulator, I-temp	*	.122	.115
760528	TL431CDR	SOIC-8	Adj. prec shunt regulator, C-temp	*	.113	.102
904051	NE555D	SOIC-8	Precision timer	.39	.314	.221
828414	NE555DG4	SOIC-8	Precision timer	.20	.142	.133
904085	NE555P	DIP-8	Precision timer	.51	.441	.353
909290	SA555P	DIP-8	Precision timer, I-temp	.35	.30	.27
761264	TLC555CD	SOIC-8	LinCMOS™ timer, C-temp	.46	.34	.30
761272	TLC555CP	DIP-8	LinCMOS™ timer, C-temp	.46	.63	.45
761301	TLC555IP	DIP-8	LinCMOS™ timer	.94	.71	.53
761387	TCL561N	DIP-14	Dual linCMOS™ timer	1.06	.95	.89
904114	NE556N	DIP-14	Dual precision timer	.53	.47	.353
1351849	LT1054CP1	DIP-8	Switched capacitor volt conv. w/ reg., C-temp	1.95	1.57	1.18
827534	LT1054IP	DIP-8	Switched capacitor volt conv. w/ reg., I-temp	2.89	2.32	2.24
1147021	ULN2002AN1	DIP-16	Hi-volt/curr. darlington trans. array, C-temp	.42	.35	.32
1147063	ULN2003ADE4	SOIC-16	Hi-volt/curr. darlington trans. array, C-temp	.25	.191	.177
1147178	ULN2003AN1	DIP-16	Hi-volt/curr. darlington trans. array, C-temp	.63	.47	.35
700630	ULN2004AN	DIP-16	Hi-volt/curr. darlington trans. array, C-temp	.63	.47	.353
1108267	TPS2042AD	SOIC-8	Dual 80mV curr limited pwr distrib. sw.	1.99	1.68	1.47
700648	ULN2803ADW	SOIC-18	Darlington transistor array, I-temp	.74	.63	.472
1927351	ULN2803ADWR1	SOIC-18	Darlington transistor array, I-temp	★	Call	Call
700664	ULN2803AN	DIP-18	Darlington transistor array, I-temp	1.29	1.11	.89
909409	SG3524N	DIP-16	Regulating pulse width modulator	.82	.69	.55
831761	UC3845AD	SOIC-14	Current mode PWM controller	2.05	1.85	1.72
764561	UC3906DW	SOIC-16	Sealed lead acid battery charger contr.	5.45	5.09	4.74
1113074	TPS5430DDA	SOPWEPAD-33A	wide input range, step-dwn SWIFT™ conv., I-temp	4.09	3.30	3.19
761942	TPIC6E95DW	SOIC-20	Power logic 8-bit shift register	2.75	2.51	2.33
762929	TPS54316PWP	HTSSOP-20	3-6V, 3A output synch buck PWM sw., I-temp	6.25	5.71	5.31
763008	TPS54372PWP	HTSSOP-20	3A output track/term. synch PWM sw., I-temp	5.25	4.19	4.05
1113461	TPS54610PWP1	HTSSOP-28	3-6V, 6A output synch buck PWM sw., I-temp	6.65	6.21	5.77
763104	TPS60400BVT	SOT-23/5	Unreg. 60mA charge pump volt converter	★	Call	Call
1053745	SN75161BDW	SOIC-20	Octal gen purp interface bus transceiver	1.65	1.26	1.18
758524	SN75240PW	TSSOP-8	USB port transient suppressor, C-temp	.77	.61	.56
1054609	SN75240PWR	TSSOP-8	USB port transient suppressor, C-temp	★	Call	Call
1054684	SN75441ONE	DIP-16	Quad half-H drivers	1.55	1.16	1.07
758567	SN75451BD	SOIC-8	Dual peripheral drivers, C-temp	.69	.59	.44
1054748	SN75451BP1	DIP-8	Dual peripheral drivers, C-temp	.79	.59	.44
758663	SN75468N	DIP-16	Darlington transistor array	.74	.62	.49

★ Please call or visit our website for minimum order quantity and pricing

Linear Series

NEW
MARKED IN PINK

* Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	1	10	100
890091	NE555N	DIP-8	Gen. purp. single bipolar timer	\$.24	\$.196	\$.147
890664	UA741CN	DIP-8	General purpose op amp	.29	.233	.21
1421077	ULN2068B	DIP-16	50V, 1.5A quad darlington switches	2.15	2.00	1.93
890744	ULN2802A	DIP-18	50V output 8-darlington array	.48	.45	.42
890787	ULN2804A	DIP-18	8 darlington array w/ common emitters	.54	.53	.49
1392878	M4128-BR12SH1	Snapat	BR1255 3V, 48mAh timekeeper@ batt&crystal, C-temp	4.15	3.93	3.71
1392915	M4132-BR12SH6	Snapat	BR1632 3V, 120mAh timekeeper@ batt&crystal, I-temp	7.05	6.79	6.29
890331	SG3525AN	DIP-16	Regulating pulse width modulator	.69	.63	.58
698437	M48T08-150PC1	DIP-28	5V, 150ns, 64k timekeeper SRAM, C-temp	15.49	14.13	13.16
698445	M48T12-150PC1	DIP-24	5V, 150ns, 16k timekeeper SRAM, C-temp	13.99	11.05	10.34
698509	M48202-150PC1	DIP-24	5V, 150ns, 16k zeropower™ SRAM	8.85	8.23	7.39
698517	M48202-200PC1	DIP-24	5V, 200ns, 16k zeropower™ SRAM	7.45	6.40	6.03
698533	M48212-150PC1	DIP-24	5V, 150ns, 16k zeropower™ SRAM	9.45	9.29	7.90
1922120	HC4538BEY	DIP-16	Dual monostable multivibrator	*	.251	.239
698453	M48T18-150PC1	DIP-28	5V, 150ns, 64k timekeeper SRAM, I-temp	18.19	16.77	15.36

Have you found a product at a lower print-advertised price?
We'll beat that price by 10%, right down to our cost!

Additional ICs are available online at www.Jameco.com/Semiconductors

Linear Series



Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
25751	MF10CN	DIP-20	General purpose dual active filter	\$3.35	\$3.03	\$2.76
16301	D50026CN	DIP-8	Dual MOS clk. driver (5MHz)(TC426CPA)	5.19	4.67	4.19
1062114	TL026CP	DIP-8	Diff. high-freq. amp. w/ AGC	1.09	.89	.69
239281	DG201BDJ	DIP-16	Quad analog switch	1.79	1.50	1.38
239329	DG211CJ	DIP-16	SPST quad channel analog switch	3.45	2.91	2.19
23721	LM331N	DIP-8	Prec volt to freq convtr (150ppm/°C)	2.19	1.69	1.30
23739	LM334Z	TO-92	Adjust current source	1.19	.88	.64
297676	LM336BZ-5.0	TO-92	5V voltage reference diode	1.55	1.16	.87
23771	LM336Z-2.5	TO-92	Voltage reference (2.5V)	.36	.264	.204
120889	LM385BZ2.5	TO-92	Voltage reference diode (2.5V ±1.5%)	.39	.37	.349
24117	LM385Z1.2	TO-92	Micropower volt ref diode (1.2V)	.42	.36	.27
23000	LF398N	DIP-8	Sample and hold circuit	1.79	1.33	.99
309833	DG403DJ	DIP-16	Dual SPDT (NO) & SPDT (NC) analog switch	2.95	2.50	1.88
256541	DG406DJ	DIP-28	1 of 16 multiplexer/demultiplexer	4.75	3.90	3.77
272161	DG407DJ	DIP-28	Dual 8-ch multiplexer/demultiplexer	5.69	5.11	4.61
256532	DG408DJ	DIP-16	1 of 8 multiplexer/demultiplexer	1.75	1.48	1.11
33347	TL431CLP	TO-92	Program precision reference	.40	.314	.236
33355	TL494CN	DIP-16	Control circuit pulse-width-modulated	.43	.36	.27
27422	LM555CN*	DIP-8	Timer (MC1455P/NE555V)	.29	.23	.20
246676	LMC555CM	SOIC-8	CMOS 555 timer	1.25	.93	.70
126797	LMC555CN*	DIP-8	CMOS 555 timer	.66	.61	.55
24328	LM556N*	DIP-14	Dual 555 timer	.82	.60	.45
27457	NE558N	DIP-16	Quad timer (NE558C)	.99	.89	.79
27473	NE564N	DIP-16	High frequency phase locked loop	2.75	2.49	2.25
24352	LM565N	DIP-14	Phased locked loop	1.69	1.28	1.15
24395	LM567CN	DIP-8	Tone decoder	.45	.43	.31
246650	LMC567CN	DIP-8	Tone decoder	.97	.89	.69
27490	NE571N	DIP-16	Companion, subscriber	4.25	3.85	3.49
118578	MC1495L	DIP-14	Linear four quadrant multiplier	9.95	8.95	8.05
23211	LM1496N	DIP-14	Balanced mod/demodulator (MC1496P)	.65	.56	.506
1944821	P1803AC	TO-220	Balanced three-chip sidactor	1.95	1.49	1.25
34278	ULN2003AN*	DIP-16	Hi-volt/curr. darl. transistor array	.39	.32	.28
193826	ULN2003AD	SOIC-16	Hi-volt/curr. darl. transistor array	.39	.332	.249
34294	ULN2004AN	DIP-16	Hi-volt/curr. darl. transistor array	.39	.30	.23
34972	XR2206CP	DIP-16	Monolithic function generator	3.59	3.29	2.99
34999	XR2211N	DIP-14	FSK demodulator/tone decoder	1.79	1.59	1.39
280073	TLE2426CLP	TO-92	Rail splitter precision virtual ground	1.25	.99	.92
34315	ULN2803A*	DIP-18	Hi-volt/curr. darl. transistor array	.76	.65	.54
123625	LM2907N-8	DIP-8	Frequency to voltage converter	1.85	1.36	1.02
23317	LM2907N	DIP-14	Frequency to voltage converter	1.31	1.16	1.01
23350	LM2917N-8	DIP-8	Freq. to voltage conv. w/ zener	1.85	1.57	1.18
23341	LM2917N-14	DIP-14	Freq. to voltage conv. w/ zener	1.75	1.32	1.22
12079	CA3046N	DIP-14	NPN transistor array	.70	.58	.51
12159	CA3086N	DIP-14	Transistor array NPN	1.59	1.45	1.30
12247	CA3162E	DIP-16	Dual slope & rate analog/digital conv.	12.95	11.95	10.95
31974	SG3524N	DIP-16	Regulating pulse width modulator	.61	.518	.431
25275	MC4044P	DIP-14	Frequency phase detector	9.99	7.49	5.25
1944759	SAA6579	DIP-16	Radio data system demodulator	.75	.59	.45
51140	7555IPA	DIP-8	CMOS timer	.38	.358	.323
51174	7660CPA	DIP-8	CMOS volt convtr (+5 to ±5V)	.75	.64	.48
316646	ICL7662CPA	DIP-8	Volt converter, 20Vin, 4.5-20V out	2.95	2.75	2.49
875712	ICM7555IPA	DIP-8	Gen. purp timer, I-temp.	.44	.37	.34
1083476	TL7712ACP	DIP-8	Supply voltage supervisor	.65	.49	.39

*10 pcs./ **20 pcs. in Linear kit, below

Linear & Interface IC Kit

SAVE \$71

10 each: TL072CP, TL074CN, TL082CP, TL084CN, MAX232CPE, LM301N, LM308N, LM311N, LM337T, LF353N, LF356N, LM358N, LM386N-1, LM386N-3, LM393N, LF411CN, LF412CN, LMC555CN, LM556N, LM723CN, LM1458N, DS1488N, DS1489N, ULN2003AN, ULN2803A, NE5532N, 7808T, 78L12CZ, 7815T, 7905T, 7912CT, 7915CT

Part No.	Description	Wt. (lbs.)	1	10
84988	480 pcs. (40 types) analog IC kit	6.0	\$212.95	\$192.64
130411	Refill for 84988 (480 pcs.)	1.3	203.95	177.97

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.



Digital Potentiometer

Part No.	Cross Ref.	Pkg.	Description	1	10	100
241744	MCP41010-I/P	DIP-8	10kΩ, 256 steps, SPI digital pot	\$1.69	\$1.55	\$1.41



Pressure Sensor

Typical applications: air movement control, level indicators, leak detection, robotics and industrial controls

- To convert kPa to PSI: 1kPa = 0.1450377PSI
- Differential type



Part No.	Product No.	Case Type	Pressure (kPa)	Output	Op. Volt. (VDC@mA)	1	10	100
320987	MPX2010DP	344C	0 - 10	25mV	10 @ 6	\$20.65	\$15.48	\$14.24



Hall Effect Sensor

Part No.	Product No.	Pkg.	Description	1	10	100
1718743	A1302EUA-T	SIP-3	Continuous-time ratiometric linear sensor	\$1.00	\$.94	\$.88

Analog Devices Temperature Sensor

Part No.	Product No.	Pkg.	Description	1	10	100
278387	TMP36GT9	TO-92	Low voltage temp sensor	\$1.19	\$.99	\$.79



Temperature Sensors



Part No.	Product No.	Pkg.	Description	1	10	100
107094	LM34CZ	TO-92	Prec temp sensor (-40° to +230°F)	\$5.49	\$4.35	\$4.25
193480	LM34DM	SOIC-8	Prec temp sensor (-55° to 300°F)	1.85	1.39	1.10
155192	LM34DZ	TO-92	Prec temp sensor (+32° to +212°F)	1.99	1.67	1.25
192217	LM35DT	TO-220/3	Prec temp sensor (-55° to 150°C)	2.35	2.00	1.50
107107	LM35CZ	TO-92	Prec temp sensor (-40° to 110°C)	5.19	4.41	3.31
155740	LM35DZ	TO-92	Prec temp sensor (0° to +100°C)	1.69	1.35	1.25



For Texas Instruments Temperature Sensor visit www.Jameco.com

Temperature Sensors

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
120820	LM335AZ	TO-92	Precision temperature sensor	\$.98	\$.90	\$.86
23755	LM335Z	TO-92	Volt mode temperature sensor	.67	.61	.44
241939	AD590JH	TO-52/3	Two terminal IC temp transducer	6.85	6.49	6.19
313306	AD594AQ	DIP-14	Thermocouple amp for iron-constantan	14.29	12.86	11.58
313293	AD595AQ	DIP-14	Thermocouple amp for chromel-alumel	14.89	13.08	11.57

NTE Transistors



Part No.	Product No.	Pkg.	Description	1	10	25
273210	NTE284	TO-3	NPN audio power amplifier	\$10.89	\$10.61	\$10.33
260806	NTE2349	TO-3	NPN darlington trans., hi-curr. gen pur	15.65	15.39	15.25
272903	NTE2365	TO-126	NPN silicon, hi-volt TV horiz defl. output	14.79	14.44	14.09
273105	NTE2507	TO-220	NPN silicon, hi-freq. video output	5.95	5.33	4.79

ON Semiconductor Transistors

* Minimum order 10 pieces

Part No.	Product No.	Pkg.	Desc.	V _{CEO}	Min. (h _{FE} @ I _C)	1	10	100
800585	MPSA05G	TO-92	PNP	60	100 @ 10mA	* .039	* .035	
800876	MPSA20	TO-92	NPN	40	40 @ 5mA	.31	.257	.198
800892	MPSA27RLRAG	TO-92	NPN	60	10000 @ 10mA	* .131	* .118	
878622	MPSA42G	TO-92	NPN	300	40 @ 10mA	* .088	* .078	
1925291	MPSA56RLRAG	TO-92	PNP	80	100 @ 10mA	* .041	* .039	
880909	TIP127G	TO-220AB	PNP	100	1000 @ 3A	.56	.51	.45
803268	PN2222AG	TO-92	NPN	40	50 @ 1mA	* .033	* .03	
803049	P2N2222AG	TO-92	NPN	40	35 @ 10mA	* .134	* .118	
885161	2N3904G	TO-92	NPN	40	40 @ 0.1mA	* .054	* .046	
885187	2N3904RLRA	TO-92	NPN	40	100 @ 10mA	* .045	* .043	
885208	2N3904RLRAG	TO-92	NPN	40	100 @ 1mA	* .045	* .041	
805597	2N3906G	TO-92	PNP	40	100 @ 10A	* .055	* .049	
885275	2N3906RLRA	TO-92	PNP	40	100 @ 10mA	* .029	* .027	
885312	2N4401G	TO-92	NPN	40	80 @ 10mA	* .054	* .049	
805685	2N4401RLRAG	TO-92	NPN	40	20 @ 0.1mA	* .158	* .103	
805749	2N4403G	TO-92	PNP	40	100 @ 10mA	* .029	* .026	
806012	2N5551G	TO-92	NPN	160	80 @ 10mA	* .039	* .036	
885697	2N6520RLRA	TO-92	NPN/PNP	350	20 @ 1mA	.35	.324	.287

Additional Transistors are available online at www.Jameco.com/Semiconductors

FAIRCHILD NPN/PNP Bipolar Transistors

QUANTITY SAVE

Part No.	Product No.	Pkg.	Desc.	V _{CEO}	Min. (h _{FE} @ Ic)	1	10	100	1000
784829	BCV27	SOT-23	NPN	30	10k @ 10mA	0.051	0.036	0.025	
33021	TIP29A	TO-220	NPN	60	15 @ 1A	.43	.395	.382	.306
179240	TIP102	TO-220	NPN	100	1k @ 3A	.54	.46	.43	.40
1094723	TIP102-NL	TO-220	NPN	100	1k @ 3A	.33	.314	.285	.27
179291	TIP120	TO-220	NPN	60	1k @ 3A	.54	.486	.389	.292
179303	TIP122	TO-220	NPN	100	1k @ 3A	.55	.42	.32	.195
784790	BC549B	TO-92	NPN	30	110 @ 2mA	.079	.059	.044	
787536	PN2222ABU	TO-92	NPN	40	75 @ 10mA	.083	.059	.04	
787552	PN2222ATF	TO-92	NPN	40	75 @ 10mA	.062	.042	.039	
873291	MMBT3904_NL	SOT-23	NPN	40	40 @ 0.1mA	.026	.025	.016	
178597	2N3904	TO-92	NPN	40	100 @ 10mA	.09	.06	.045	
783421	2N3904	TO-92	NPN	40	100 @ 10mA	.051	.031	.025	
178618	2N3906	TO-92	PNP	40	100 @ 10mA	.046	.042	.033	
783455	2N3906BU	TO-92	PNP	40	60 @ 0.1mA	.035	.023	.022	

NP / PHILIPS NPN Bipolar Transistors

NEW MARKED IN PINK

Part No.	Product No.	Pkg.	Desc.	V _{CEO}	Min. (h _{FE} @ Ic)	1	10	100	1000
916238	BC868T/R	SOT-89	NPN	20	85 @ 500mA	\$.20	\$.18	\$.16	\$.15

ST NPN/PNP Bipolar Transistors

NEW MARKED IN PINK

Part No.	Product No.	Pkg.	Desc.	V _{CEO}	Min. (h _{FE} @ Ic)	1	10	100	1000
890568	TIP35C	TO-218	NPN	100	25 @ 1.5A	\$1.13	\$1.04	\$.97	\$.86
811102	BUX48A	TO-218	NPN	450	450 @ 15A	7.09	6.39	5.74	5.39
890445	TIP142	TO-218	NPN	100	1k @ 0.5A	1.43	1.34	1.24	1.12
924289	2N2222	TO-39	NPN	30	35 @ 0.1mA	.55	.507	.479	.448
924300	2N6284	TO-3/2	NPN	100	750 @ 10A	3.69	3.05	2.79	2.37
890592	TIP36C	TO-218	NPN	100	25 @ 1.5A	1.13	1.11	1.03	.84
924297	2N2907	TO-39/3	PNP	-40	75 @ -10mA	.51	.49	.46	.37
811241	D45H11	TO-220/3	PNP	-80	60 @ -2A	.44	.41	.37	.35

For Infineon NPN Bipolar Transistor visit www.Jameco.com - Keyword: Infineon

TOSHIBA For Toshiba NPN Bipolar Transistor visit www.Jameco.com - Keyword: Toshiba

NPN/PNP Bipolar Transistors

NEW MARKED IN PINK

QUANTITY SAVE

Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Desc.	V _{CEO}	Min. (h _{FE} @ Ic)	1	10	100	1000
26462	MPSA06	TO-92	NPN	80	100k @ .01A	.018	.016	.014	
26489	MPSA13	TO-92	NPN	30	5k @ .01A	.067	.047	.041	
210593	MPSA14	TO-92	NPN	30	20k @ .10A	.067	.042	.032	
33021	TIP29A	TO-220	NPN	60	15 @ 1A	.43	.395	.382	.306
33048	TIP31A	TO-220	NPN	60	10 @ 3A	.49	.39	.35	.29
179354	TIP31C	TO-220	NPN	100	10 @ 3A	.49	.441	.353	.265
33081	TIP41A	TO-220	NPN	60	15 @ 3A	.59	.531	.425	.319
179371	TIP41C	TO-220	NPN	100	15 @ 3A	.35	.31	.248	.186
178546	MPSA42	TO-92	NPN	30	40 @ .03A	.097	.079	.051	
120221	BPW77NA	TO-18	NPN	70	—	1.99	1.89	1.55	1.21
32977	TIP102	TO-220	NPN	100	1k @ 3A	.57	.49	.41	.245
32993	TIP120	TO-220	NPN	60	1k @ 3A	.49	.45	.39	.27
120416	TIP122	TO-220	NPN	100	1k @ 3A	.42	.37	.35	.26
211529	MJE340	TO-225	NPN	300	30 @ .05A	.27	.24	.21	.155
254799	BC547C	TO-92	NPN	45	600 @ 2mA	.046	.039	.025	
800568	PN5918	TO-92	NPN	15	20 @ 3mA	.07	.055	.04	
38228	2N2219A	TO-39	NPN	40	100 @ .15A	.41	.37	.31	.28
26446	MPQ2222	DIP-14	NPN	40	100 @ .15A	2.79	2.52	2.29	2.13
28628	PN2222	TO-92	NPN	30	100 @ .15A	.065	.041	.025	
213938	MMBT2222A	SOT-23	NPN	40	100 @ .15A	.04	.03	.02	
213997	MMQ2222A	SOIC-16	NPN	40	100 @ .15A	.88	.74	.60	.40
210673	MPS2222A	TO-92	NPN	40	40 @ .50A	.058	.052	.045	
178511	PN2222A	TO-92	NPN	40	100 @ .15A	.13	.092	.051	
38236	2N2222A	TO-18	NPN	40	100 @ .15A	.42	.41	.39	.37
1945014	2N2484	TO-92	NPN	60	250 @ 1mA	.07	.045	.035	
38295	PN3053	TO-39	NPN	40	25 @ .15A	.51	.45	.38	.34

*10 pcs./**100 pcs. in Transistor cabinet kit, pg 23

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

NPN/PNP Bipolar Transistors (Cont.)

NEW MARKED IN PINK

Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Desc.	V _{CEO}	Min. (h _{FE} @ Ic)	1	10	100	1000
211385	TIP3055	TO-218	NPN	60	5 @ .001A	\$1.39	\$1.23	\$.88	\$.78
38308	2N3055	TO-3	NPN	60	15 @ 10A	.89	.79	.68	.51
211406	2N3055A	TO-3	NPN	60	20 @ 4A	1.55	1.43	1.37	1.23
25857	MJE3055T	TO-220	NPN	60	20 @ 4A	.53	.49	.45	.39
194415	2N3439	TO-39	NPN	350	40 @ .02A	.64	.63	.59	.47
1944919	PN3566	TO-92	NPN	30	80 @ 2mA	.06	.035	.025	
209242	2N3771	TO-3	NPN	40	15 @ 15A	1.99	1.79	1.44	1.08
140151	2N3773	TO-3	NPN	140	15 @ 8A	2.95	2.66	2.12	1.59
94967	MMBT3904	SOT-23	NPN	40	100 @ .01A	.042	.034	.025	
38359	2N3904	TO-92	NPN	40	100 @ .01A	.069	.057	.035	
1944927	PN4275	TO-92	NPN	15	35 @ .01A	.055	.035	.025	
38421	2N4401	TO-92	NPN	40	100 @ .15A	.08	.06	.05	
1201380	PN4953	TO-92	NPN	30	150 @ .01A	.07	.045	.04	
310666	2N5038	TO-3	NPN	150	20 @ 12A	8.19	7.37	5.90	4.43
1945081	2N5306	TO-92	NPN	25	7000 @ 2mA	.07	.055	.04	
194600	2N6059	TO-3	NPN	100	750 @ 6A	1.75	1.72	1.56	1.17
1945031	MPS6515	TO-92	NPN	25	250 @ 2mA	.07	.045	.03	
194618	2N6547	TO-3	NPN	400	12 @ 5A	2.99	2.84	2.68	2.42
194626	2N6678	TO-3	NPN	400	8 @ 15A	6.79	6.15	5.75	4.49
33030	TIP30A	TO-220	PNP	60	15 @ 1A	.60	.54	.44	.33
33064	TIP32A	TO-220	PNP	60	10 @ 3A	.42	.38	.33	.29
181841	TIP32C	TO-220	PNP	100	10 @ 3A	.29	.261	.222	.167
33101	TIP42A	TO-220	PNP	60	15 @ 3A	.39	.36	.293	.278
139580	TIP42C	TO-220	PNP	100	15 @ 3A	.31	.276	.261	.248
179258	TIP107	TO-220	PNP	100	1k @ 3A	.43	.36	.33	.31
288526	TIP115	TO-220	PNP	60	1k @ 1A	.31	.28	.22	.167
33013	TIP125	TO-220	PNP	60	1k @ 3A	.49	.441	.353	.265
179320	TIP127	TO-220	PNP	100	1k @ 3A	.39	.33	.249	.207
1085500	MPS750RL	TO-92	PNP	40	75 @ .05A	.21	.19	.15	.10
194378	2N2905A	TO-39	PNP	60	100 @ .15A	.52	.43	.32	.24
26454	MPQ2907	DIP-14	PNP	40	100 @ .15A	2.19	1.85	1.35	.99
28644	PN2907	TO-92	PNP	40	100 @ .15A	.106	.085	.045	
211342	MPS2907A	TO-92	PNP	60	100 @ .15A	.069	.06	.045	
178520	PN2907A	TO-92	PNP	60	100 @ .15A	.075	.055	.027	
38279	2N2907A	TO-18	PNP	60	100 @ .15A	.38	.333	.286	.25
25831	MJE2955T	TO-220	PNP	60	20 @ 4A	.53	.477	.38	.285
1944986	PN3644	TO-92	PNP	45	100 @ .01A	.07	.045	.03	
38375	2N3906	TO-92	PNP	40	100 @ .01A	.051	.035	.034	
1944943	PN4122	TO-92	PNP	40	150 @ 1mA	.055	.035	.025	
1944951	PN4355	TO-92	PNP	60	100 @ 1mA	.21	.18	.15	.10
38447	2N4403	TO-92	PNP	40	100 @ .15A	.048	.046	.044	
1944935	PN4917	TO-92	PNP	30	150 @ 1mA	.06	.04	.03	
253438	2N5884	TO-3	PNP	80	4 @ 25A	3.65	3.22	2.06	.39
194571	2N6042	TO-220	PNP	100	1k @ 3A	.56	.46	.42	.39
194597	2N6052	TO-3	PNP	100	750 @ 6A	2.79	2.67	2.53	1.88

*10 pcs./**100 pcs. in Transistor cabinet kit, pg 23

ON Semiconductor For ON Semi Prog. Unijunction Transistors visit www.Jameco.com

J-FETs

NEW MARKED IN PINK

QUANTITY SAVE

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Desc.	BV _{GS} @ I _g (μA)	I _{SS} (mA) @ V _{DS}	1	10	100	1000
26403	MPF102	TO-92	N-Ch	-25 @ -10	2 @ 15	\$.21	\$.155	\$.084	\$.053
1945006	PN4093	TO-92	N-Ch	-40 @ 1	15 @ 20	.12	.10	.07	.05
253948	2N5457	TO-92	N-Ch	-25 @ -10	1 @ 15	.20	.18	.126	.102
253921	2N5458	TO-92	N-Ch	-25 @ -10	2 @ 15	.29	.23	.18	.16
253542	2N5639	TO-92	N-Ch	-30 @ -10	25 @ 20	.21	.034	.031	.028
38527	2N5951	TO-92	N-Ch	-30 @ -1	7 @ 15	.69	.64	.44	.33
253913	2N5460	TO-92	P-Ch	40 @ 10	-1 @ -15	.47	.423	.338	.254

*10 pcs. in Transistor cabinet kit, pg 23

FAIRCHILD IGBT

Part No.	Product No.	Pkg.	BV _{CES}	I _{CES}	1	10	100
785881	HGTP20N60A4	TO-220AB	600V	20mA	\$5.05	\$4.21	\$3.70

Additional MOSFETs are available online at www.Jameco.com/Semiconductors



N-Channel & P-Channel MOSFETs

* Minimum order 10 pieces

Part No.	Product No.	Pkg.	Desc.	BV _{DS}	Min. On-St. DS Current	1	10	100	1000
787798	RFP12N10L	TO-220AB	N-Ch	100	12A	\$.85	\$.71	\$.68	\$.394
873602	MTP3055VL	TO-220	N-Ch	60	12A	.81	.68	.539	.476
785590	FQP50N06	TO-220	N-Ch	60	—	1.03	.86	.69	.52
875051	RFP50N06	TO-220AB	N-Ch	60	50A	.99	.89	.75	.61
85077	RFP70N06	TO-220AB	N-Ch	60	70A	1.79	1.64	1.45	1.19
178669	2N7000*	TO-92	N-Ch	60	0.2A	.25	.194	.136	.111
783594	2N7000_NL	TO-92	N-Ch	60	75mA	*	.085	.08	.06
870188	BSS84	SOT-23	P-Ch	-50	-0.6A	*	.118	.099	.06

*10 pcs. in Transistor cabinet kit, below



N-Channel MOSFETs

Part No.	Product No.	Pkg.	Desc.	BV _{DS}	Min. On-St. DS Current	1	10	100	1000
1559885	IRF510PBF	TO-220AB	N-Ch	100	5.6A	\$1.12	\$.91	\$.79	\$.42
1560270	IRF640N	TO-220AB	N-Ch	200	18A	3.15	2.08	1.95	1.81
1559551	IRF1404PBF	TO-220AB	N-Ch	40	202A	*	Call	Call	Call

* Please call or visit our website for minimum order quantity and pricing

NTE® N-Channel MOSFET



Part No.	Product No.	Pkg.	Description	1	10	25
272920	NTE2374	TO-220	N-ch enhancement mode	\$4.29	\$4.00	\$3.70

ON Semiconductor® P-Channel MOSFETs

Part No.	Product No.	Pkg.	Desc.	BV _{DS}	Min. On-St. DS Current	1	10	100	1000
879203	MTP2P50E	TO-220	P-Ch	500	2A	\$2.65	\$2.23	\$1.87	\$1.68

TOSHIBA N-Channel MOSFET

Part No.	Product No.	Pkg.	Desc.	BV _{DS}	Min. On-St. DS Current	1	10	100	1000
832552	2SK2837	TO-3P	N-Ch	500	20A	\$4.29	\$3.84	\$3.47	\$3.12



N-Channel & P-Channel MOSFETs

* Minimum order 10 pieces

Part No.	Product No.	Pkg.	Desc.	BV _{DS}	Min. On-St. DS Current	1	10	100	1000
1919861	2N7002E-T1-E3	TO-236	N-Ch	60	500mA	*	\$0.48	\$0.46	\$0.44
1926622	SI2301BDS-T1-E3	TO-236	P-Ch	-20	-3A	*	.204	.193	.184



For Intersil MOSFETs visit www.Jameco.com - Keyword: Intersil

Transistor Assortment Cabinet Kit

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 106 and 30 adhesive labels for drawers to identify parts in kit

10 each: 2N2222A, 2N2907A, 2N3053, 2N3055, 2N4401, 2N4403, 2N5951, 2N7000, MJE3055T, MPF102, MPSA06, MPSA13, TIP31A, TIP32A, TIP102, TIP120

100 each: 2N3904, 2N3906, PN2222, PN2907

Part No.	Description	QUANTITY SAVE	Wt. (lbs.)	1	10
82595	560 pcs. (20 types) NPN, PNP transistor kit		5.1	\$75.95	\$74.59
130374	Refill for 82595 (560 pcs.)		0.4	61.95	46.46

SAVE \$14



N-Channel & P-Channel MOSFETs



Manufacturer may vary

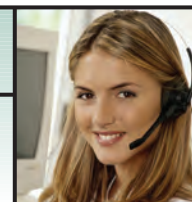
* Minimum order 10 pieces

Part No.	Cross Ref.	Pkg.	Desc.	BV _{DS}	Min. On-St. DS Current	1	10	100
669871	IRFZ24N	TO-220AB	N-Ch	55	17A	QUANTITY SAVE \$.59	\$.49	\$.45
669927	IRFBG30	TO-220AB	N-Ch	1000	3.1A	1.39	1.11	.83
669935	IRFZ34N	TO-220AB	N-Ch	55	26A	.59	.468	.42
669943	IRLZ34N	TO-220AB	N-Ch	55	30A	.69	.62	.46
669951	IRFZ44N	TO-220AB	N-Ch	55	49A	.78	.62	.56
669978	IRFZ46N	TO-220AB	N-Ch	55	53A	.99	.96	.72
669986	IRFZ48N	TO-220AB	N-Ch	55	64A	.86	.69	.62
256031	BS170	TO-92	N-Ch	60	—	*	.10	.07
670080	IRFP250	TO-247	N-Ch	200	30A	2.45	2.00	1.50
670101	IRFP260N	TO-247	N-Ch	200	50A	3.25	2.58	2.19
670135	IRFP450	TO-247	N-Ch	500	14A	2.45	1.98	1.79
670143	IRFP460	TO-247	N-Ch	500	20A	2.95	2.39	2.15
209234	IRF510	TO-220	N-Ch	100	5.6A	.69	.59	.55
209226	IRF520	TO-220	N-Ch	100	10A	.56	.48	.45
209058	IRL520N	TO-220	N-Ch	100	10A	.77	.62	.56
210500	IRF530	TO-220	N-Ch	100	14A	.66	.57	.52
670151	IRF530N	TO-220AB	N-Ch	100	17A	.71	.58	.444
210518	IRF540	TO-220	N-Ch	100	27A	.78	.63	.57
210526	IRF620	TO-220	N-Ch	200	6.0A	.45	.42	.35
210534	IRF630	TO-220	N-Ch	200	9.0A	.73	.68	.51
210542	IRF640	TO-220	N-Ch	200	18A	.90	.83	.68
670231	IRF644	TO-220AB	N-Ch	250	14A	1.15	1.04	.78
210551	IRF730	TO-220	N-Ch	400	5.5A	.87	.66	.55
210569	IRF740	TO-220	N-Ch	400	10A	1.25	1.10	.89
210577	IRF820	TO-220	N-Ch	500	4.0A	.48	.46	.43
210585	IRF830	TO-220	N-Ch	500	4.5A	.78	.74	.71
184719	IRF840	TO-220	N-Ch	500	8.0A	1.28	1.05	.88
670282	IRF1405	TO-220AB	N-Ch	55	169A	3.85	3.44	2.87
279460	VN2222LL	TO-92	N-Ch	60	.75A	.35	.30	.23
618089	IRF3205	TO-220	N-Ch	55	110A	2.39	1.75	1.45
670354	IRF3415	TO-220AB	N-Ch	150	43A	1.75	1.60	1.20
618071	IRL3705	TO-220	N-Ch	55	89A	1.40	1.08	.81
119423	2N7000	TO-92	N-Ch	60	0.3A	*	.11	.10
140169	2N7002	SOT-23	N-Ch	60	0.5A	*	.084	.038
256057	BS250	TO-92	P-Ch	-45	—	.37	.34	.30
1944901	ZVP3306A†	TO-92	P-Ch	-60	-0.4A	.55	.49	.35
255054	SI4463DY	SOIC-8	P-Ch	-20	-30A	1.65	1.58	1.44
670442	IRF4905	TO-220AB	P-Ch	-55	-74A	2.09	1.96	1.84
670451	IRF4905S	D2PAK	P-Ch	-55	-74A	2.59	1.98	1.67
670477	IRF5210	TO-220AB	P-Ch	-100	-40A	1.69	1.37	1.32
670485	IRF5305	TO-220AB	P-Ch	-55	-31A	1.29	1.19	1.13
670522	IRLML6401	SOT-23	P-Ch	-12	-12A	.26	.22	.17
670531	IRF7404	SOIC-8	P-Ch	-20	-7.7A	.73	.64	.48
670565	IRFR9024	TO-252AA	P-Ch	-60	-8.8A	.65	.52	.39
670581	IRF9234N	TO-220AB	P-Ch	-55	-1.8A	.84	.71	.64
670629	IRF9520	TO-220AB	P-Ch	-100	6A	.72	.58	.44
670741	IRF9530	TO-220AB	P-Ch	-100	-12A	.82	.66	.59
670637	IRF9530N	TO-220AB	P-Ch	-100	-14A	.95	.75	.66
670645	IRF9540N	TO-220AB	P-Ch	-100	-23A	1.39	1.28	.96
670653	IRF9640	TO-220AB	P-Ch	-200	-11A	1.49	1.36	1.02

† DMOS FET

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 175.



♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Heat Sinks are available online at www.Jameco.com/Semiconductors

IR International Rectifier

Hexfet Power MOSFETs

NEW MARKED IN PK

* Minimum order 10 pieces									
Part No.	Product No.	Pkg.	Desc.	BV _{DS}	Min. On-St. DS Current	1	10	100	
1563454	IRLD024PBF	HD-1	N-Ch	60	2.5A	.65	.56	.51	
1563083	IRFZ24	TO-220AB	N-Ch	60	17A	1.35	1.27	1.21	
1560894	IRF740PBF	TO-220AB	N-Ch	400	10A	1.42	1.14	1.03	
1563147	IRFZ44NPBF	TO-220AB	N-Ch	55	49A	.93	.76	.70	
1563569	IRLL110	SOT-223	N-Ch	100	1.5A	2.25	1.44	1.36	
1563577	IRLL110PBF	SOT-223	N-Ch	100	1.5A	.51	.44	.39	
1562566	IRFR120NPBF	TO-252AA	N-Ch	100	9.4A	.61	.48	.45	
1562283	IRFP250NPBF	TO-247AC	N-Ch	200	30A	2.75	2.19	1.95	
1562304	IRFP260NPBF	TO-247AC	N-Ch	200	50A	3.35	2.80	2.53	
1562363	IRFP450PBF	TO-247AC	N-Ch	500	14A	2.69	2.53	1.92	
1562380	IRFP460PBF	TO-247AC	N-Ch	500	20A	3.45	2.78	2.50	
1559640	IRF3205PBF	TO-220AB	N-Ch	55	110A	1.95	1.67	1.50	
1560051	IRF540NPBF	TO-220AB	N-Ch	100	33A	1.23	1.11	.92	
1559666	IRF3415PBF	TO-220AB	N-Ch	150	43A	2.29	2.03	1.84	
1560747	IRF7341	SO-8	Dual N-Ch	55	3.8A	1.79	1.62	1.45	
1561150	IRF7530PBF	Micro-8	Dual N-Ch	20	5.4A	.68	.65	.62	
1561660	IRF9Z34NPBF	TO-220AB	P-Ch	-55	-19A	.92	.73	.68	
1563690	IRLML5203TRPBF	Micro-3	P-Ch	-30	-3A	.34	.272	.205	
1559922	IRF5210S	D2PAK	P-Ch	-100	-40A	3.95	3.65	3.19	
1559965	IRF5305PBF	TO-220AB	P-Ch	-55	-31A	1.69	1.30	1.12	
1922509	IRLML6401TR	Micro-3	P-Ch	-12	-4.3	*	.184	.174	
1562873	IRFR9024NPBF	TO-252AA	P-Ch	-55	-11A	.59	.47	.44	
1561539	IRF9530PBF	TO-220AB	P-Ch	-100	-12A	1.12	1.02	.93	
1561547	IRF9540	TO-220AB	P-Ch	-100	19A	3.05	2.81	2.63	
1561619	IRF9640PBF	TO-220AB	P-Ch	-400	-11A	1.39	1.19	1.07	

WAKEFIELD Thermal Solutions

Heat Sinks



1582743



1582831



1582778



1582541



1582575

High-Power

Part No.	Product No.	Description	Size (L" x W" x H")	1	10	100
1582743	637-15ABP	TO-220, high-eff., vertical	.50 x 1.38 x 1.0	\$2.35	\$1.70	\$1.23

BGA

Part No.	Product No.	Description	Size (L" x W" x H")	1	10	100
1582831	659-65ABT1	Unidirectional pin fin for 37mm	1.45 x 1.45 x .65	\$3.15	\$3.09	\$2.53

DIP

Part No.	Product No.	Description	Size (L" x W" x H")	1	10	100
1582778	651-B	14/16-pin DIP & SRAM extruded	.25 x .74 x .24	.83	.59	.50

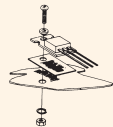
Accessories

Part No.	Product No.	Description	1	10	100
1582541	120-8	Silicon oil-based compound 8oz. jar	\$27.65	\$20.64	\$19.78
1582559	173-7-220P	DeltaPAD™ insulator for TO-220	.62	.446	.312
1582575	175-6-240-P	KAPTON™ reinforced insulator for TO-220	.46	.325	.231

Heat Sink Mounting Kit

- TO-220 heat sink insulator assemblies
- 10 kits per pack

Part No.	Type	Description	1	10	100
34121	TO-220	5 pcs per kit	\$3.95	\$3.55	\$3.19



AAVID THERMALLOY

Heat Sinks

NEW MARKED IN PK

* Minimum order 5 pieces

Part No.	Product No.	Type	Size (L" x W" x H")	1	5	100
696626	530002B02500G	TO-220	1.65 x 2.5	\$1.55	\$1.49	\$1.43
1933152	576802B00000G	TO-220/TO-262	.75 x .50 x .50	*	.405	.396
696714	577002B00000G	TO-220	.75 x .52 x .25	.42	.297	.21
1115643	577202B00000G	TO-220	.75 x .52 x .50	*	.206	.185
696722	581002B02500G	TO-220	.64 x 1.0	1.25	1.10	1.07

Heat Sinks

Our heat sinks are made from black anodized aluminum (except for P/N 107297 which is light weight aluminum). They can be mounted horizontally or vertically depending on your applications. P/N 42622 can be mounted vertically with solderable mounting tabs.



326757



326596



326693



326713

QUANTITY SAVE

Part No.	Mfr.	Cross Ref. No.	Type	Size (L" x W" x H")	1	10	100
16513	ValuePro	DUDE4	TO-3	4.80 x 1.50 x 1.30	\$3.69	\$3.43	\$3.10
151547	Various	635-125B2	TO-3	1.90 x 1.40 x 1.30	1.45	1.31	1.05
189835	ValuePro	635-5B2	TO-3	1.90 x 1.40 x 0.50	.73	.67	.64
326757	ValuePro	529801B02500	TO-218	1.64 x 0.98 x 1.51	1.02	.98	.83
326596	ValuePro	507302B00000	TO-220	0.75 x 0.38 x 0.74	.25	.23	.20
326693	ValuePro	531002B05200	TO-220	1.38 x 0.50 x 1.00	.84	.75	.65
326713	ValuePro	531102B02500	TO-220	1.38 x 0.50 x 1.51	.92	.83	.66
70915	ValuePro	THM6106	TO-220	1.20 x 1.00 x 0.50	.39	.334	.311
42622	ValuePro	563002B00000	TO-220	1.20 x 1.00 x 0.50	.33	.291	.273
40504	Wakefield	291-H-36AB	TO-220	0.90 x 1.00 x 0.40	.76	.55	.477
158051	ValuePro	577102B00000G	TO-220	0.75 x 0.52 x 0.38	.39	.35	.28
70658	ValuePro	THM6073	TO-220	0.80 x 0.70 x 0.40	.29	.269	.26
107297	ValuePro	PSC2-U (cup-style)	TO-220	0.80 x 1.00 x 0.40	.49	.441	.353

DIODES

Small Signal Diode

Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	10	100
1537969	1N4148-T	DO-35	100VRM, 150mA	.027	.02

FAIRCHILD

Small Signal Diodes

NEW MARKED IN PK

Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	10	100
1215759	BAV74_NL	SOT-23	50VRRM, 0.2A	.044	.039
743306	1N4148TR	DO-35	100VRRM, 0.2A	.026	.023

VISHAY

Small Signal Diodes

QUANTITY SAVE

Minimum order 10 pieces

Part No.	Product No.	Pkg.	Description	10	100
179207	1N914	DO-35	100PRV	.05	.025
1039433	MMSZ5230B-V-GS08	SOD123	4.7Vz, 0.02A	.061	.046

Small Signal Diodes

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	10	100
36311	1N914**	DO-35	75PRV, 0.01A	.022	.018
655269	1N914A	DO-35	100VRRM, 0.2A	.025	.015

** 100 pcs. in Diode/Rectifier cabinet kit, pg 27

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to NewProducts@Jameco.com.

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product ♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Diodes are available online at www.Jameco.com/Semiconductors

FAIRCHILD Zener Diodes NEW MARKED IN PINK Minimum order 10 pieces						
Part No.	Product No.	Pkg.	V _{znom}	Pwr Dissipation	10	100
743411	1N4742ATR	DO-41	12.0V	1W	\$.061	\$.055
782920	1N4749ATR	DO-41	24.0V	1W	.049	.039
743488	1N5226B	DO-35	3.3V	0.5W	.032	.029

NIP / PHILIPS Zener Diode NEW MARKED IN PINK Minimum order 10 pieces						
Part No.	Product No.	Pkg.	V _{znom}	Pwr Dissipation	10	100
916422	BZX84-C12T/R	SOT-23	11.88V	0.25W	\$.049	\$.039

ON Semiconductor Zener TVS * Minimum order 10 pieces						
Part No.	Product No.	Pkg.	V _{RRM}	Power	1	10 100
803508	SA5.0AG	59AA	5V	500W	\$.50	\$.436 .287
1307004	1N6373G	41A	5V	1500W	*	.333 .312

ON Semiconductor Zener Diodes * Minimum order 10 pieces						
Part No.	Product No.	Pkg.	V _{znom}	Pwr Dissipation	1	10 50
1921012	BZX84C5V1LT1G	SOT-23	5.1V	225mW	*	\$.024 \$.022
1925005	MMBZ5231BLT1G	SOT-23	5.1V	225mW	*	.024 .022
1925013	MMBZ5232BLT1G	SOT-23	5.6V	225mW	*	.024 .022
1925161	MMSZ5234BT1G	SOD-123	6.2V	500mW	*	.036 .035
1925187	MMSZ5240BT1G	SOD-123	10.0V	500mW	*	.036 .035
743980	1SMB5927BT3G	SMB	12.0V	3W	*	.335 .304
744000	1SMB5931BT3G	SMB	18.0V	3W	*	.149 .14
1308322	1SMB5918BT3G	SMB	5.1V	3W	*	.158 .149
804607	1N5339BG	Surmetic-40	5.6V	5W	.26	.221 .206
804623	1N5341BG	Surmetic-40	6.2V	5W	.26	.219 .206
743584	1N5342BG	Surmetic-40	6.8V	5W	*	.228 .208
804711	1N5347BG	Surmetic-40	10.0V	5W	*	.24 .209
804818	1N5352BG	Surmetic-40	15.0V	5W	*	.186 .177
804914	1N5359BG	Surmetic-40	24.0V	5W	*	.228 .208
743605	1N5363BG	Surmetic-40	30.0V	5W	*	.223 .206
1305367	1N5365BG	Surmetic-40	36.0V	5W	*	.17 .159

For Diodes Incorporated Zener Diodes visit www.Jameco.com

VISHAY Zener Diode * Minimum order 10 pieces						
Part No.	Product No.	Pkg.	V _{znom}	Pwr Dissipation	1	10 100
178773	1N4732A	DO-41	4.7V	1W	*	\$.088 \$.069

Zener Diodes QUANTITY SAVE Please Note: Manufacturer may vary						
Minimum order 10 pieces						
Part No.	Cross Ref.	Pkg.	V _{znom}	Pwr Dissipation	10	100
36290	1N751A	DO-35	5.1V	0.5W	\$.04	\$.03
36097	1N4733A	DO-41	5.1V	1W	.08	.065
178837	1N4739A	DO-41	9.1V	1W	.057	.038
36169	1N4742A	DO-41	12V	1W	.074	.059
36185	1N4744A	DO-41	15V	1W	.058	.035
179047	1N5231B	DO-35	5.1V	0.5W	.035	.026

* 10 pcs. in Diode/Rectifier cabinet kit, pg 27

AVAGO Diodes						
Part No.	Product No.	Pkg.	Breakdown Voltage	Description	1	10 100
1547956	5082-2835	Glass axial	8	Schottky barrier gen. purp. ..	\$.149	\$.134 \$.111
1547999	5082-3081	Glass axial	100	Pin diode for RF switch & Atten	3.19	2.94 .280
1556828	HSMS-2822-BLKG	SOT-23	15	RF schottky barrier series	.61	.51 .48
1556991	HSMS-8202-BLKG	SOT-23	250mV@ 0.1mA	Microwave schottky mixer diode series	1.36	1.13 .93

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com

◆ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

DIODES Diodes NEW MARKED IN PINK * Minimum order 10 pieces						
Part No.	Product No.	Pkg.	Description	1	10	100
1538996	BAS16-7-F-T/R	SOT-23	75V _{RRM} , 200mA	*	\$.215	\$.147
1589881	BAV70-7	SOT-23	75V _{RRM} , 150mA	*	.255	.176
1539331	BAV99-7-F	SOT-23	75V _{RRM} , 300mA	.43	.294	.147
1538865	B340A-13F	SMA	40V _{RRM} , 3A (Schottky)	.52	.434	.39
1590786	MMBD4148-7	SOT-23	75V _{RRM} , 200mA	*	.215	.109

FAIRCHILD Diode NEW MARKED IN PINK						
Part No.	Product No.	Pkg.	Description	1	10	100
787940	RURP3020	TO-220AC	200V _{RRM} , 30A (Ultrafast)	\$.169	\$.156	\$.143

International Rectifier Diodes NEW MARKED IN PINK * Minimum order 10 pieces						
Part No.	Product No.	Pkg.	Description	1	10	100
1558903	6CWQ10FNPBF	TO-252AA	100V _{RRM} , 7A (Schottky)	\$.79	\$.64	\$.57
1557847	10MQ100N	SMA	100V _{RRM} , 1.5A (Schottky)	*	.128	.116
1558356	30BQ400PBF	SMC	40V _{RRM} , 30A (Schottky)	*	.255	.242
1558946	80SQ045	DO-204	45V _{RRM} , 80A (Schottky)	.85	.82	.62
1559113	95SQ015	DO-204	15V _{RRM} , 9A (Schottky)	.75	.70	.65
1559164	HFA08TB60PBF	TO-220AC	600V _{BR} , 8A (Ultrafast recovery)	.69	.64	.60

NIP / PHILIPS Diodes NEW MARKED IN PINK Minimum order 10 pieces						
Part No.	Product No.	Pkg.	Description	10	100	
916060	BAW56T/R	SOT-23	85V _{RRM} , 0.125A (Hi-spd double)	\$.034	\$.03	
916001	BAV99T/R	SOT-23	85V _{RRM} , 0.125A (Hi-spd double)	.041	.036	
917821	PMBD914T/R	SOT-23	85V _{RRM} , 0.215A (Hi-speed)	.04	.036	
917767	PMBD7000T/R	SOT-23	100V _{RRM} , 0.125A (Hi-spd double)	.062	.045	
918225	PMLL4148LT/R	SOD-80	75VR, 0.20A (Switching)	.035	.032	

NTE Diode NEW MARKED IN PINK						
Part No.	Product No.	Pkg.	Description	1	10	25
259469	NTE583	DO-7	Schottky RF switch	\$.127	\$.122	\$.119

ST Diode						
Part No.	Product No.	Pkg.	Description	1	10	100
743656	1N5711	DO-35	70V _{RRM} , 15mA (Schottky)	\$.40	\$.29	\$.20

ST TRANSIL™ Diodes						
Part No.	Product No.	Pkg.	V _{BR} (nom)	I _{RM} @ V _{RM} (max.)	1	10 100
869566	1.5KE15A	DO-201	15	1μA @ 12.8V	\$.52	\$.498 \$.475
869582	1.5KE39A	DO-201	39	1μA @ 33.3V	.52	.498 .475

VISHAY Diode QUANTITY SAVE Minimum order 10 pieces						
Part No.	Product No.	Pkg.	Description	10	100	
179215	1N4148	DO-35	100PRV (Switching)	\$.012	\$.009	

For Infineon Diodes visit www.Jameco.com - Keyword: Infineon

Diodes QUANTITY SAVE Please Note: Manufacturer may vary						
* Minimum order 10 pieces						
Part No.	Cross Ref.	Pkg.	Description	1	10	100
35941	1N270	DO-7	80PRV (Germanium)	\$.99	\$.86	\$.74
312101	MBR1100	DO-41	100PRV, 1.0A (Schottky)	.27	.19	.125
36038	1N4148	DO-35	75PRV, 0.01A (Switching)	*	.03	.025
151247	1N4148T	DO-35	75PRV, 0.01A (Switching)	*	.016	.012

* 10 pcs./** 100 pcs. in Diode/Rectifier cabinet kit, pg 27

Transient Voltage Suppressor NEW MARKED IN PINK Please Note: Manufacturer may vary						
Part No.	Product No.	Watts	Pkg.	Min. Brkdwn Volt. (V _{BR})	Stand-Off Voltage	1 10 100 1000
256663	P6KE6.8A	600	DO-15	6.45	5.8	\$.17 \$.14 \$.116 \$.10

Additional Semiconductors are available online at www.Jameco.com/Semiconductors

SanRex® Fast-On and Thru-Hole Package Triacs

Part No.	Product No.†	Pkg.	Rating (X _{DRM} , I _{T(RMS)})	1	10	100
658216	TG35E60	Fast-On	Isolated 35A, 600V	\$9.09	\$7.87	\$6.81
658267	TG35F40	Fast-On	Isolated 35A, 400V	9.09	7.87	6.34
658275	TG35F60	Fast-On	Isolated 35A, 600V	9.09	7.87	6.81
657192	TMG8C60F	TO-220F	Isolated 8A, 600V	.86	.81	.76

† For cross references to Littelfuse, ST, and ON Semi products, refer to datasheets @ Jameco.com.

TECCOR Triacs						
Part No.	Product No.	Pkg.	Type	Rating	1	10 100
220492	Q4008R4	TO-220AB	Triac	400 V _{DRM} , 8A	\$.95	\$.80 \$.71
139336	Q4015L5	TO-220AB	Triac	400 V _{DRM} , 15A	1.65	1.48 1.33
160215	Q6008L5	TO-220AB	Triac	600 V _{DRM} , 8A	1.39	1.25 1.12
220505	Q6025R6	TO-220AB	Triac	600 V _{DRM} , 25A	2.39	2.17 1.63
220521	Q6035P5	TO-3	Triac	600 V _{DRM} , 35A	8.79	7.48 5.61

TECCOR Triacs						
Part No.	Cross Ref.	Pkg.	Type	Rating	1	10 100
31819	SC146B	TO-220	Triac	200 V _{DRM} , 10A (2N6342)	\$1.29	\$1.15 \$.99
31827	SC146M	TO-220	Triac	600 V _{DRM} , 10A (2N6344)	1.99	1.79 1.61
1165690	TIC201M	TO-220	Triac	600 V _{DRM} , 2.5A	.49	.35 .19
140425	2N6071A	TO-225AA	Triac	200 V _{DRM} , 4A	.31	.29 .26

ON Semiconductor® SCR

Part No.	Product No.	Pkg.	Rating	1	10	100
885654	2N6509	TO-220AB	800VDRM, 25A	\$1.11	\$1.07	\$.88

TECCOR SCR						
Part No.	Product No.	Pkg.	Rating	1	10	100 1000
160135	S6025L	TO-220AB	600 V _{DRM} , 25A	\$1.69	\$1.53	\$1.37 \$1.04

Silicon Controlled Rectifiers (SCRs)

Part No.	Cross Ref.	Pkg.	Rating	1	10	100 1000
14859	C38M	TO-65	600 PRV, 35A (2N3899)	\$6.89	\$6.19	\$5.59 \$5.05
14736	C106B1*	TO-202	200 PRV, 4A (2N6239)†	.67	.54	.46 .40
14752	C122B	TO-220	200 PRV, 8A	.73	.66	.63 .52
14761	C122M	TO-220	600 PRV, 8A†	1.35	1.25	1.05 .69
119802	2N5060	TO-92	25 PRV, 0.8A	.21	.189	.16 .12
211422	2N5061	TO-92	60 PRV, 0.8A	.20	.143	.111 .09

† Isolated *10 pcs. in Diode/Rectifier cabinet kit, pg 27

DIODES Rectifiers						
Part No.	Product No.	Pkg.	Rating	1	10	100
1538486	6A05-T	R-6	50 V _{RRM} , 6A	\$.47	\$.372	\$.275
1538494	6A10-B	R-6	100 V _{RRM} , 6A	.47	.372	.279
1537871	1N4001-T	DO-41	50 V _{RRM} , 1A	*	.046	.033
1537889	1N4002-T	DO-41	100 V _{RRM} , 1A	*	.039	.029
1537897	1N4003-T	DO-41	200 V _{RRM} , 1A	*	.039	.02
1537951	1N4007-T	DO-41	1000 V _{RRM} , 1A	.25	.133	.073
1538339	1N5401-T	DO-201AD	50 V _{RRM} , 3A	.40	.275	.206
1538363	1N5404-T	DO-201AD	400 V _{RRM} , 3A	.39	.267	.188
1538380	1N5408-T	DO-201AD	1000 V _{RRM} , 1A	.39	.267	.188
1538419	1N5819HW-7-F	SOD-123	40 V _{RRM} , 1A (Schottky)	.71	.57	.42
1538435	1N5822-T	DO-201AD	40 V _{RRM} , 3A (Schottky)	.67	.53	.397

Commercial Customers

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♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product Ⓢ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

ON Semiconductor® Rectifiers

Part No.	Product No.	Pkg.	Rating	1	10	100
804543	1N4007RLG	DO-41	1000 @ 1A	\$.25	\$.225	\$.127
743701	1N5822RLG	DO-201AD	40 @ 3A	.32	.272	.204
802020	MUR105G	DO-41	50 @ 1A	.29	.271	.244
879991	MURS140T3	SMB	400 @ 1A (Ultrafast)	.28	.26	.23
802353	MUR460G	DO-201AD	600 @ 4A	.365	.298	.294
879895	MURH840CT	TO-220AB	400 @ 8A (Megahertz™)	1.02	.90	.79
801553	MR851RLG	DO-201AD	100 @ 3A	.20	.165	.124
801617	MR856G	Case-267	600 @ 3A	*	.087	.078
879810	MUR860	TO-220AC/2	600 @ 8A	1.04	.94	.73
879334	MUR1540	TO-220AC	400 @ 15A (Switchmode™)	1.41	1.29	.99
886614	MBR1545CT	TO-220AB	45 @ 15A (Switchmode™)	.86	.69	.52
879473	MUR1620CT	TO-220AB	200 @ 16A (Switchmode™)	1.05	.91	.70
879596	MUR3060PT	TO-218	200 @ 30A (Switchmode™)	2.25	2.02	1.81
879094	MRA4004T3	SMA	400 @ 1A	*	.155	.116
879625	MUR4100EG	DO-201AD	1000 @ 8A	.40	.35	.263
886657	MBR20100CTG	TO-220AB/3	100 @ 20A	.99	.82	.74

VISHAY Rectifier

Part No.	Product No.	Pkg.	Rating	10	100
1543648	1N4004	DO-204AL	400 V _{RRM} , 1A	\$.029	\$.022

For Fairchild Rectifiers visit www.Jameco.com - Keyword: Fairchild

Rectifiers

Part No.	Cross Ref.	Pkg.	Rating	1	10	100
177754	T6A05L	T6L	50 PIV, 6A	\$.36	\$.32	\$.288
177762	T6A10L	T6L	100 PIV, 6A	.75	.65	.55
177818	T6A100L	T6L	1000 PIV, 6A	.80	.72	.65
35924	1N1188	DO-5	400 PRV, 35A	4.49	4.45	4.14
35975	1N4001*	DO-41	50 PRV, 1A	*	.04	.028
76961	1N4002	DO-41	100 PRV, 1A	*	.043	.031
76970	1N4003	DO-41	200 PRV, 1A	*	.033	.021
35991	1N4004**	DO-41	400 PRV, 1A	*	.04	.028
76988	1N4005	DO-41	600 PRV, 1A	*	.025	.016
76996	1N4006	DO-41	800 PRV, 1A	*	.042	.03
36011	1N4007*	DO-41	1000 PRV, 1A	*	.04	.03
36249	1N5401	DO-201AD	100 PIV, 3A	*	.134	.101
77083	1N5402	DO-27A	200 PRV, 3A	*	.141	.127
36265	1N5404*	DO-27A	400 PRV, 3A	*	.14	.11
36273	1N5408*	DO-27A	1000 PRV, 3A	*	.15	.11
177949	1N5817	DO-204AL	20 PIV, 1A	*	.12	.09
177957	1N5818	DO-204AL	30 PIV, 1A	*	.07	.056
177965	1N5819	DO-204AL	40 PIV, 1A	*	.10	.075
177990	1N5822	DO-201AD	40 PIV, 3A	.24	.20	.19
618062	40CPQ060	TO-247AC	60 V _{RRM} , 40A (Schottky)	2.25	1.45	1.32

*10 pcs. / **100 pcs. in Diode/Rectifier cabinet kit, pg 27

DIODES Bridge Rectifiers

Part No.	Product No.	Pkg.	Rating	1	10	100
1540421	HD04-T	Mini DIP-4	400 V _{RRM} , 0.8A	\$.63	\$.504	\$.376
1541431	RS402L	RS-4L	100 V _{RRM} , 4A	.83	.79	.74
1541466	RS405L	RS-4L	600 V _{RRM} , 4A	1.49	1.24	1.04

VISHAY Bridge Rectifier

Part No.	Product No.	Pkg.	Rating	1	10	100
1544704	GBPC2506-E4/1	GBPC	600 V _{RRM} , 25A	\$3.65	\$2.99	\$2.74

For Fairchild Bridge Rectifiers visit www.Jameco.com - Keyword: Fairchild

Additional Rectifiers are available online at www.Jameco.com/Semiconductors

Bridge Rectifiers

NEW
MARKED IN PINK

QUANTITY
SAVE

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.†	Rating	1	10	100
178001	DF005M	DF	50 PIV, 1A	.49	.39	\$.29
103000	DF01M	DF	100 PIV, 1A	.35	.25	.19
103042	DF02M	DF	200 PIV, 1A	.35	.25	.19
102971	DF04M	DF	400 PIV, 1A	.29	.25	.19
103034	DF06M	DF	600 PIV, 1A	.32	.27	.19
103026	DF10M	DF	1000 PIV, 1A	.32	.25	.21
256575	DF08M	DIP-4	800 PIV, 1.5A	.29	.25	.19
145429	KBP02M	KBP	200 PIV, 1.5A	.55	.45	.35
119562	KBP04M	KBP	400 PIV, 1.5A	.49	.45	.39
279494	W005G	WOG	50 PIV, 1.5A	.44	.36	.33
103018	W02G	WOG	200 PIV, 1.5A	.49	.39	.29
102980	W04G	WOG	400 PIV, 1.5A	.43	.40	.33
279515	W10G	WOG	1000 PIV, 1.5A	.49	.39	.32
178124	W005M	WOM	50 PIV, 1.5A	.55	.45	.35
178132	W01M	WOM	100 PIV, 1.5A	.49	.42	.35
178141	W02M	WOM	200 PIV, 1.5A	.45	.39	.29
178183	BR805D	BR8D	50 PIV, 2A	.55	.49	.367
178204	BR82D	BR8D	200 PIV, 2A	.85	.77	.69
178247	BR810D	BR8D	1000 PIV, 2A	.48	.43	.37
253260	2KBP06M	KBP	600 PIV, 2A	.55	.45	.35
253286	2KBP10M	KBP	1000 PIV, 2A	.65	.55	.39

* 10 pcs. in Diode/Rectifier cabinet kit, right

† DF/KBP/WOG/WOM/179-01 – plastic case; GBPC/TB35 – plastic case, metal base; MB35 – metal case

Bridge Rectifiers (Continued)

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.†	Rating	1	10	100
179477	GBPC25-01	GBPC	100 PIV, 25A	\$2.29	\$1.86	\$1.53
179485	GBPC25-02	GBPC	200 PIV, 25A	2.39	1.94	1.59
178280	MB254	MB35	400 PIV, 25A	2.35	2.10	1.90
178335	TB252	TB35	200 PIV, 25A	2.09	1.85	1.69
25574	MDA990-3	179-01	200 PIV, 30A	3.99	3.45	2.99
25591	MDA990-6	179-01	600 PIV, 30A	4.59	4.29	3.99
299882	GBPC1204	GBPC	400 V _{RRM} , 12A	2.49	2.09	1.65
299874	GBPC1206	GBPC	600 V _{RRM} , 12A	3.15	2.65	1.91
178431	MB358	MB35	800 PIV, 35A	3.59	3.29	2.75
178503	TB3510	TB35	1000 PIV, 35A	3.25	2.65	2.40

† DF/KBP/WOG/WOM/179-01 – plastic case; GBPC/TB35 – plastic case, metal base; MB35 – metal case

Diode/Rectifier Assortment Cabinet Kit

420 pcs. (15 types) Diodes, Zener Diodes, Switching and Silicon Rectifiers

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 106 and 30 adhesive labels for drawers to identify parts in kit.

10 each: 1N270, 1N751A, 1N4001, 1N4007, 1N4150, 1N4733A, 1N4735A, 1N4742A, 1N5404, 1N5408, C106B1, KBP04M

100 each: 1N914, 1N4004, 1N4148



SAVE 10%

Part No.	Description	Wt. (lbs.)	1	10
82587	420 pcs. (15 types) diode kit	5.0	\$42.95	\$38.95

Optoisolators & Optocouplers

Additional Optoisolators are available online at www.Jameco.com/Optos

Optoisolators

NEW
MARKED IN PINK

QUANTITY
SAVE

Please Note: Manufacturer may vary

Part No.	Cross Ref.	Pkg.	Description	1	10	100
40985	4N25	DIP-6	Diode, NPN phototransistor	\$.24	\$.22	\$.19
41005	4N26	DIP-6	Diode, NPN phototransistor	.25	.22	.18
41013	4N28	DIP-6	Diode, NPN phototransistor	.29	.22	.16
41021	4N32	DIP-6	Diode, NPN photodarlington	.29	.22	.15
41030	4N33	DIP-6	Diode, NPN photodarlington	.29	.25	.21
41056	4N35	DIP-6	Diode, NPN phototransistor	.29	.25	.22
277510	6N135	DIP-8	High-speed transistor optocoupler	.89	.69	.45
42471	6N136	DIP-8	High speed transistor optocoupler	.75	.64	.52
113911	6N137	DIP-8	High-speed logic optocoupler	.65	.51	.48
42489	6N138	DIP-8	Low input curr., hi-gain split darlington	.79	.59	.45
113929	6N139	DIP-8	High-speed, high-gain darlington	.89	.69	.55
18825	H11AA1	DIP-6	Dual infrared diode, NPN phototransistor	.65	.55	.35
113988	H11L1	DIP-6	Schmitt trigger output photocoupler	.63	.58	.56
114083	ISQ203	DIP-16	Quad channel NPN phototransistor	2.95	2.25	1.85
24918	MCT6	DIP-8	Dual channel NPN phototransistor	.62	.55	.42
672325	MCT62	DIP-8	Dual channel NPN phototransistor	.65	.55	.39
672245	MOC205	SOIC-8	Optocoupler phototransistor	.65	.49	.29
26278	MOC3010	DIP-6	Bilateral triac driver	.56	.49	.41
95020	MOC3011	DIP-6	Bilateral triac driver	.68	.51	.383
277780	MOC3020	DIP-6	Random phase triac driver	.55	.45	.35
95038	MOC3021	DIP-6	Bilateral triac driver	.69	.55	.39
277819	MOC3023	DIP-6	Random phase triac driver	.55	.45	.35
277835	MOC3041	DIP-6	Zero crossing triac driver	.89	.75	.49
277843	MOC3043	DIP-6	Zero crossing triac driver	.68	.56	.42
133874	MOC3063	DIP-6	Zero crossing triac driver	.87	.75	.61
320653	PS2501-1	DIP-4	Single transistor photocoupler	.35	.29	.25
320661	PS2501-2	DIP-8	Single transistor photocoupler	.59	.51	.46
160338	PS2501-4	DIP-16	Photo darlington & transistor/detector	1.09	1.02	.88
320696	PS2502-2	DIP-8	Darlington photocoupler	1.42	1.16	1.05
160362	PS2502-4	DIP-4	High isolation voltage photocoupler	1.75	1.61	1.39
320709	PS2505-1	DIP-4	High isolation voltage photocoupler	.40	.338	.315
320725	PS2505-4	DIP-16	High isolation voltage photocoupler	1.99	1.59	1.43
320805	PS2532-4	DIP-16	High collector to high emitter volt. photocoupler	2.35	2.25	2.08

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 175.



Optoisolator

Part No.	Product No.	Pkg.	Description	1	10	100
1628676	ILQ2	DIP-16	Quad channel phototransistor	\$1.79	\$1.57	\$1.34



Optocouplers

Part No.	Product No.	Pkg.	Description	1	10	100
1583287	6N137-300E	DIP-8	High CMR, hi-spd TTL compatible opto.	\$1.29	\$1.03	\$.86
1549644	HCPL-063N	SOIC-8	HCMOS compat. dual-ch., high-CMR, 10Mbpsd opto. (0.400" W)	6.89	5.67	5.21
1549311	HCPL-0501	SOIC-8	Single channel, high speed opto	1.43	1.33	1.25
1549396	HCPL-0600	SOIC-8	High CMR, hi-spd TTL comp. opto	1.75	1.61	1.51
1549935	HCPL-2200	DIP-8	Sngl ch, low input current logic gate opto	2.49	2.03	1.92
1549978	HCPL-2211	DIP-8	Sngl ch., very high CMR, wide Vcc logic gate opto.	2.69	2.37	2.11
1550573	HCPL-3700	DIP-8	AC/DC to logic interface opto.	3.25	2.82	2.69
1550611	HCPL-4100	DIP-8	Optically coupled 20mA current loop transmitter	5.89	5.41	5.15
1550629	HCPL-4200	DIP-8	Optically coupled 20mA current loop transmitter	5.75	5.40	5.15
1550661	HCPL-4504-000E	DIP-8	Hi-speed, high CMR optocoupler	2.09	1.63	1.45



For Sharp Optocouplers visit www.Jameco.com – Keyword: Sharp



Optocoupler

Part No.	Product No.	Pkg.	Description	1	10	100
1583156	PD2401	DIP-16	AC solid state switch w/ optical coupling	\$5.75	\$4.80	\$4.44



Optoisolators

NEW
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Part No.	Product No.	Pkg.	Description	1	10	100
871341	H11L1M	DIP-6	Optoisolator logic output	\$.75	\$.68	\$.60
785813	HCPL2630	DIP-8	Dual ch. high-speed 10mbit/s logic gate opto.	2.39	1.92	1.68
871498	HCPL2731	DIP-8	Dual ch. low-inp. curr. high-gain split darl. opto.	1.39	1.11	.97
698912	MOC3010M	DIP-6	Random-phase triac driver output optoisolator	.62	.47	.334

NTE Optoisolator

NEW
MARKED IN PINK

Part No.	Product No.	Pkg.	Description	1	10	100
260398	NTE3041	DIP-6	NPN transistor output, 1.15X @ 10mA	\$1.49	\$1.35	\$1.25

Additional Optoelectronics are available online at www.Jameco.com/Optos

LITEON Photo Transistor Output Optocouplers

Part No.	Product No.	Pkg.	Isolation	Curr. Trans.	Ratio (Min.)	1	10	100
878243	LTV-817	DIP-4	35	5000	50	.....\$ .22	.....\$ .17	.....\$ .15
878286	LTV-847	DIP-16	35	5000	50	.....\$ .83	.....\$ .73	.....\$ .55

AVAGO For Avago Hermetically Sealed Optocouplers visit www.Jameco.com - Keyword: Avago

OPTEK For Optek Optocouplers visit www.Jameco.com - Keyword: Optek

OSRAM For Osram Photodiodes visit www.Jameco.com - Keyword: Osram

Slotted Optical Switch

Part No.	Cross Ref.	Pkg.	Description	1	10	100
114091	H21A1	4-pin w/ tab	Single channel slotted interrupter	.....\$ .79	.....\$ .74	.....\$ .63

OPTEK Slotted Optical Switches

Part No.	Product No.	Pkg.	Description	1	10	100
1872994	OPB826S	4-pin	Dual channel slotted optical switch	.....\$ 8.49	.....\$ 6.95	.....\$ 6.08
1873444	OPB930W51Z	5-wires	Photologic® slotted optical switch w/ wires	.....\$ 6.49	.....\$ 5.25	.....\$ 4.95

AVAGO For Avago Fiber Optic Transceivers visit www.Jameco.com - Keyword: Avago

AVAGO For Avago Discrete Optical Components visit www.Jameco.com - Keyword: Avago

AVAGO For Avago Miniature Link Transmitters visit www.Jameco.com - Keyword: Avago

AVAGO Miniature Link Package

Designed to provide cost effective, high performance fiber optic communication links for information systems and industrial applications with link distances of up to 2.7km.

Receivers

Part No.	Product No.	Description	1	10	100
1584642	HFBR-2402Z	SMA, Rx, 5MBd, TTL output	.....\$ 19.95	.....\$ 17.49	.....\$ 16.49

AVAGO TECHNOLOGIES

3 Channel Enclosed Encoder

High-performance optical increment encoders. 3 channel digital outputs and single 5V supply input are accessed through five 0.025" square pins on 0.1" centers.



• Operating temp.: -40°C to 100°C • Quick assembly • TTL compatible

Part No.	Product No.	Outputs	Counts/Rev.	Shaft Dia.	1	10	100
1584466	HEDL-6540SB13	3-ch	1000	3/8"	\$139.95	\$129.95	\$123.95

AVAGO TECHNOLOGIES

Plastic Optical Fiber Connector



Part No.	Product No.	Description	1	10	100
1553248	HFBR-4531	Black crimpless simplex non-latching conn.	.....\$ .55	.....\$ .49	.....\$ .45

AVAGO TECHNOLOGIES

Versatile Link Package

The most cost effective family of fiber optics from AVAGO consists of discrete transmitters and receivers based on 660nm technology. Optimized from 1mm plastic fiber and 200µm HCS™ fiber.



Transmitters

Part No.	Product No.	Data Rate MBd	Distance (M)		Op. Temp. °C	Pricing		
			POF	HCS		1	10	100
1552712	HFBR-1521	5	20	—	-40 - 85	\$11.25	\$9.75	\$8.49
1552780	HFBR-1531	5	20	—	-40 - 85	10.49	9.25	7.59

Receivers

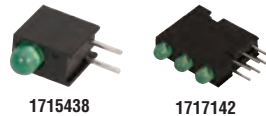
Part No.	Product No.	Data Rate MBd	Distance (M)		Op. Temp. °C	Pricing		
			POF	HCS		1	10	100
1553029	HFBR-2521	5	20	—	-40 - 85	\$10.25	\$9.85	\$8.69
1553088	HFBR-2528	10	100	900	-40 - 85	18.95	16.49	14.25
1553096	HFBR-2531	5	20	—	-40 - 85	11.25	9.95	8.25

LEDs

Dialight PCB Indicator LEDs

- Led size: T1
- Lead spacing: 0.1
- Typical Vf: 2.1
- Diameter inch/mm: 0.119/3

1715438: Dimension 0.28" x 0.145" 1717142: Dimension: 0.60" x 0.145"



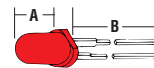
Part No.	Product No.	Emitting Color	WaveLength nm	Viewing Angle	Pricing		
1715438	551-0207F	High efficiency green	563	45	.....\$ .57	.....\$ .52	.....\$ .48
1717142	564-0100-222F	Green	—	—	2.25	1.74	1.62

LITEON LEDs

NEW MARKED IN PINK

Part No.	Product No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	WaveLength nm	Viewing Angle	Pricing	
							A"	B"						10	100
697688	LTL-4251N	1	Yellow	Yellow diffused	T1	0.118/3	0.175	1	0.10	2.1	5.6	585	60	.....\$ .088	.....\$ .078
697670	LTL-4251	1	Yellow	Yellow diffused	T1	0.118/3	0.207	1	0.10	2.1	8.7	585	40	.....\$ .088	.....\$ .078
697581	LTL-4221	1	Hi-eff. Red	Red diffused	T1	0.118/3	0.207	0	0.10	2	8.7	635	40	.....\$ .089	.....\$ .079
697590	LTL-4221N	1	Hi-eff. Red	Red diffused	T1	0.118/3	0.175	1	0.10	2	8.7	635	60	.....\$ .088	.....\$ .078
697565	LTL-4211N	1	Bright Red	Red diffused	T1	0.118/3	0.175	1	0.10	2.1	4.4	697	60	.....\$ .089	.....\$ .067
697637	LTL-4231N	1	Green	Green diffused	T1	0.118/3	0.175	1	0.10	2.1	12.6	565	60	.....\$ .088	.....\$ .078
697629	LTL-4231	1	Green	Green diffused	T1	0.118/3	0.207	1	0.10	2.1	12.6	565	40	.....\$ .072	.....\$ .056
697645	LTL-4232N	1	Green	Green transparent	T1	0.118/3	0.175	1	0.10	2.1	40	565	45	.....\$ .088	.....\$ .078
697549	LTL-307Y	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.9	0.10	0.1	29	585	50	.....\$ .072	.....\$ .056
697696	LTL-4253	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	1	0.10	2.1	19	585	36	.....\$ .088	.....\$ .078
697522	LTL-307E	1	Hi-eff. Red	Red diffused	T1 3/4	0.197/5	0.34	0.9	0.10	2	19	635	50	.....\$ .072	.....\$ .057
697602	LTL-4223	1	Hi-eff. Red	Red diffused	T1 3/4	0.197/5	0.34	1	0.10	2	19	635	36	.....\$ .088	.....\$ .078

Fig. 1



Minimum order 10 pieces

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product ♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional LEDs are available online at www.Jameco.com/Optos

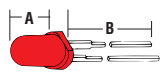


Fig. 1

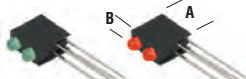


Fig. 2

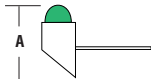


Fig. 3



Fig. 4



Fig. 5



Fig. 6

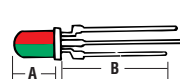


Fig. 7

LITEON LEDs (Continued)

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Minimum order 10 pieces

Part No.	Product No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing	
							A"	B"						10	100
697611	LTL-4224	1	Hi-eff. Red	Red transparent	T1 3/4	0.197/5	0.34	1	0.10	2	90	635	16	\$.088	\$.078
697573	LTL-4213	1	Bright Red	Red diffused	T1 3/4	0.197/5	0.34	1	0.10	2.1	3.7	697	36	.088	.068
790225	LTL-307P	1	Bright Red	Red diffused	T1 3/4	0.197/5	0.34	0.9	0.10	2.1	5.6	697	50	.072	.057
697514	LTL-293SJW	1	Red/Green	White diffused, bi-color	T1 3/4	0.197/5	0.34	0.9	0.10	1.8/2.1	90/40	660/565	60	.28	.23
697557	LTL-30EFJ	2	Bright Red/Green	White diffused, bi-color	T1 3/4	0.197/5	0.41	0.945	0.10	2.1/2.1	5.6/19	697/565	30	.29	.29
697653	LTL-4233	1	Green	Green diffused	T1 3/4	0.197/5	0.4	1	0.10	2.1	19	565	36	.088	.078
697661	LTL-4234	1	Green	Green transparent	T1 3/4	0.197/5	0.34	1	0.10	2.1	60	565	16	.067	.05
790321	LTL-4238	1	Green	Water clear	T1 3/4	0.197/5	0.34	1	0.10	2.1	90	565	16	.088	.078
697531	LTL-307G	1	Green	Green diffused	T1 3/4	0.197/5	0.34	1	0.10	2.1	19	565	50	.072	.057
697725	LTL-533-11	3	Green	Green diffused, RA, PCB	T1 3/4	0.189/4	0.366	0.314	0.10	2.1	40	569	60	.25	.21
790364	LTL-433HR	3	Hi-eff. Red	Red diffused, rectangular	T1 3/4	2mm x 5mm	0.295	1	0.10	2	3.7	635	140	.078	.072
790356	LTL-433G	3	Green	Green diffused, rectangular	T1 3/4	2mm x 5mm	0.295	1	0.10	2.1	3.7	565	140	.078	.068
697813	LTST-C190YKT	4	Yellow	Water clear	SMD0603	1.6mm x 0.8mm	0.03	0.02	0.05	2.1	2	585	130	.088	.068
697805	LTST-C190GKT	4	Green	Water clear	SMD0603	1.6mm x 0.8mm	0.03	0.02	0.05	2.1	6	565	130	.073	.059
697784	LTST-C170KRKT	4	Red	Water clear	SMD0805	2mm x 1.25mm	0.04	0.02	0.06	2	54	639	130	.11	.09
697768	LTST-C170GKT	4	Green	Water clear	SMD0805	2mm x 1.25mm	0.04	0.02	0.06	2	6	565	130	.088	.078
697776	LTST-C170GKT	4	Green	Water clear	SMD0805	2mm x 1.25mm	0.04	0.02	0.06	2	35	574	130	.085	.075
697733	LTST-C150CKT	4	Red	Water clear	SMD1206	3.2mm x 1.6mm	0.04	0.02	0.09	1.8	25	660	130	.074	.066
697750	LTST-C150KRKT	4	Red	Water clear	SMD1206	3.2mm x 1.6mm	0.04	0.02	0.09	2	54	639	130	.12	.09
697741	LTST-C150GKT	4	Green	Water clear	SMD1206	3.2mm x 1.6mm	0.04	0.02	0.10	2.1	6	565	130	.069	.061
697830	LTST-C930KRKT	5	Red	Water clear	Dome	3.2mm x 2.4mm	0.09	0.02	0.10	2	850	639	25	.19	.15
697821	LTST-C930GKT	5	Green	Water clear	Dome	3.2mm x 2.4mm	0.09	0.02	0.10	2	600	574	25	.19	.15

JAMECO ValuePro Standard-Output LEDs

JAMECO
EXCLUSIVE

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* Minimum order 10 pieces

Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
34657	LY2040 *	1	Yellow	Yellow diffused (XC209Y)	T1	0.119/3	0.16	0.68	0.08	2.3	15	585	36	* .13	\$.11	\$.075	
206480	LVI2041	1	Yellow	Yellow transparent	T1	0.119/3	0.17	0.69	0.08	2.3	450	595	30	* .14	.12	.10	
136282	LA44B/21	2	Orange	Red diffused (dual)	T1	0.119/3	0.38	0.17	0.10	1.7	12	635	50	.75	.66	.54	.35
333171	HLMP-K155-JV	1	Red	Red clear	T1	0.119/3	0.19	1.04	0.10	1.6	3.0	660	45	* .089	.079	.069	
333851	UT6371-41-M1	1	Red	Red diffused	T1	0.119/3	0.17	0.98	0.10	1.7	63	660	47	* .15	.104	.097	
206498	LHR2041	1	Red	Red transparent	T1	0.119/3	0.17	0.69	0.08	2.0	350	660	30	* .15	.12	.09	
94529	LH2040 *	1	Red	Red diffused (XC209RB)	T1	0.119/3	0.18	1.04	0.07	2.3	4.5	697	36	.21	.19	.15	.12
114673	LH2043 *	1	Red	Water clear (BR209)	T1	0.119/3	0.14	0.98	0.07	2.3	12	697	30	.22	.19	.15	.11
94553	LHG2062	1	Red/Green	White diffused bi-color/bi-state ¹	T1	0.119/3	0.18	1.06	0.08	2.3	3 & 15	697/565	36	.29	.25	.19	.15
34606	LSG2040 *	1	Green	Green diffused (XC209G)	T1	0.119/3	0.13	1.05	0.08	2.2	15	560	50	* .15	.13	.10	
333201	LG12340	1	Green	Green diffused	T1	0.119/3	0.13	0.98	0.10	1.7	9.6	565	112	* .10	.08	.07	
136274	LA44B/2G	2	Green	Green diffused (dual)	T1	0.119/3	0.38	0.17	0.10	2.3	15	565	50	.59	.49	.39	.32
175679	LVG2041	1	Green	Green transparent	T1	0.119/3	0.17	0.69	0.08	2.2	129	565	30	* .08	.059	.052	
114681	LVG2043 *	1	Green	Water clear (BG209)	T1	0.119/3	0.14	0.98	0.07	2.2	129	565	30	* .08	.06	.048	
137411	LVB2040	1	Blue	Blue diffused	T1	0.119/3	0.21	0.98	0.10	4.8	10	430	50	1.59	1.45	1.29	1.15
334457	LSBI2640	1	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	430	40	.99	.85	.71	.58
333383	UT6381-41-M1A2	1	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	466	54	.89	.79	.69	.59
34825	LY3330 *	1	Yellow	Yellow diffused (XC556Y)	T1 3/4	0.197/5	0.30	0.82	0.07	2.3	12	585	36	.25	.19	.15	.12
104264	LA93B/Y-1	3	Yellow	Yellow diffused (XC410Y)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	25	585	46	.39	.32	.25	.19
334108	UT1831-81-S	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	16.4	589	44	* .12	.09	.07	
333622	LHY3330/HO	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	350	595	40	.35	.29	.25	.22
334377	UT1841R-81	1	Hi-eff Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	23.1	630	44	* .10	.08	.06	
34711	LEG3362 *	1	Red/Green	White diffused bi-color/bi-state ¹	T1 3/4	0.197/5	0.30	1.01	0.09	2.3	7.5	635/565	30	.32	.27	.22	.17
333973	UT1871-81-M1	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	75	660	25	* .10	.08	.06	
94511	LH3330	1	Red	Red diffused (XC556RB)	T1 3/4	0.197/5	0.31	0.81	0.08	2.3	3	697	36	* .16	.12	.095	
104248	LA93B/H-1 *	3	Red	Red diffused (XC410R)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	6.5	697	46	.26	.23	.19	.17
34745	LH3333	1	Red	Water clear (XC554R)	T1 3/4	0.197/5	0.30	1.00	0.08	2.3	7.5	697	20	.19	.15	.12	.09

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 33 ¹ Reverse polarity to change color

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.











Details on page 175.

Additional LEDs are available online at www.Jameco.com/OptosJAMECO
EXCLUSIVENEW
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Figure images on previous page * Minimum order 10 pieces

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JAMECO ValuePro Standard-Output LEDs (Continued)

Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
334182	LGH3362 	6	Red/Green	White diff. bi-color/solid state ¹	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2.0 & 8.0	697/565	30	\$.29	\$.25	\$.19	\$.13
34673	LHG3392 	6	Red/Green	White diff. bi-color/tri-state ¹	T1 3/4	0.197/5	0.30	1.02	0.03	2.3	3 & 12	697/565	70	.29	.25	.22	.17
34761	LG3330 	1	Green	Green diffused (XC556G)	T1 3/4	0.197/5	0.31	0.79	0.09	2.3	12	565	36	.20	.15	.14	.10
334086	LG13740 	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	20	565	68	*	.09	.075	.065
333227	LG13530 	1	Hi-eff green	Green diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	25	565	70	.20	.16	.128	.072
104256	LA93B/G-1 	3	Green	Green diffused (XC410G)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	30	565	46	.26	.22	.20	.17
138691	LVB3330 	1	Blue	Blue diffused	T1 3/4	0.197/5	0.34	0.98	0.10	4.8	10	430	36	1.75	1.58	1.26	1.05
137613	LSBI3333 	1	Blue	Water clear	T1 3/4	0.197/5	0.34	0.98	0.08	3.8	160	430	15	1.99	1.91	1.84	1.38
34690	LFH3360 	1	Red	Red diff. blinking (XC5410) ²	T1 3/4	0.197/5	0.30	0.94	0.07	3-12V	2.8	697	N/A	.49	.45	.39	.29
138683	LHR3630 	1	Red	Red diffused XJumbo (XC10R)	T3 1/4	0.394/10	0.40	1.04	0.10	2.0	100	660	32	.65	.55	.45	.32

Great Prices on Special Buys from Other Manufacturers

Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
692537	MSL-204G 	7	Green	Water clear	PLCC-2	—	0.11	0.13	—	2.1	15	570	120	\$.45	\$.381	\$.305	\$.229
202471	MVL-301HR	1	Orange	Red diffused	T1	0.119/3	0.14	1.12	0.10	2.0	9.0	640	N/A	*	.09	.07	.045
658321	MSL-204DR	7	Red	Water clear	PLCC-2	—	0.11	0.13	—	1.8	50	657	120	.49	.39	.32	.25
658347	MSL-204MW 	7	White	Water clear	PLCC-2	—	0.08	0.13	—	3.5	400	—	120	1.19	1.01	.80	.56

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit P/N 84996, pg 33 ¹ Reverse polarity to change color ² Volt. shown is operating volt. range; no current limiting resistor required.











Ledtech LEDs

• Typical DC forward current 20mA

Ledtech is a QS9000 and
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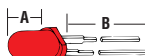
152805





* Minimum order 10 pieces

Part Number	Product Number	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter (in./mm)	Dimensions		Lead Spacing	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
156954	LT0373-41 	1	Red Super Bright	Water clear	T1	0.119/3	0.21	1.07	0.08	1.7 @ 20	600 @ 20	660	46	\$.24	\$.22	\$.17	\$.14
156946	LT0362-25-D61 	2	Red/Green	White diff. bi-color tri-state	T1	0.119/3	0.16	0.87	0.08	2.1 @ 20	2.7/13.3 @ 20	700/567	50	.29	.25	.19	.15
152751	LT0344R-41 	1	Orange Red	Red clear	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	52.9 @ 10	635	36	.21	.19	.16	.12
152785	LT0341R-41 	1	Orange Red	Red diffused	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	15.5 @ 10	635	56	.20	.17	.15	.12
156930	LT0321-41-HE 	1	Green	Green diffused	T1	0.118/3	0.16	0.88	0.10	2.1 @ 20	32 @ 20	567	56	.21	.18	.11	.10
242844	LT1811-81 	1	Red	Red diffused	T1 3/4	0.197/5	0.30	0.88	0.10	2.1 @ 20	4.1 @ 20	700	44	*	.12	.10	.06
1586189	UT1813-83-UJEL	1	Red	Water clear	T1 3/4	0.197/5	0.34	1.00	0.10	2.1 @ 20	5500 @ 20	632	25	.39	.35	.29	.19
152805	LT1873-81-UR 	1	Red Ultra Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9 @ 20	2000 @ 20	660	12	.22	.19	.17	.13
156962	LT1823-81-HE 	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.87	0.10	2.1 @ 20	500 @ 20	567	19	.20	.17	.15	.12
1586197	UT4123-4D-UBC	1	Green	Water clear	T1 3/4	0.197/5	0.32	1.00	0.10	3.0 @ 10	2500 @ 10	500	28	.69	.65	.57	.47
152822	LT1821-81-HE 	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.1 @ 20	96 @ 20	567	41	.20	.16	.12	.09
152831	LT1831-81-UR 	1	Ylw Ultra Bright	Yellow diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.0 @ 20	424 @ 20	593	41	.26	.24	.20	.14

FAIRCHILD
SEMICONDUCTOR

HLMP Series LEDs

NEW
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Part No.	Product No.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Viewing Angle	Pricing			
						A"	B"						1	10	100	1000
253278	HLMP-1301 	Red	Diffused	T1	0.119/3	0.19	1.00	0.10	1.9 @ 10	5.4 @ 10	635	60	\$.17	\$.15	\$.12	\$.09
253665	HLMP-1540 	Green	Clear	T1	0.119/3	0.19	1.00	0.10	45 @ 20	2.2 @ 20	565	45	.24	.19	.17	.15
253753	HLMP-3301 	Red	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.4 @ 10	5.4 @ 10	635	60	.36	.205	.134	.105
253833	HLMP-4740 	Green	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.2 @ 2	2.3 @ 2	565	50	.51	.297	.171	.161

JAMECO
ValuePro

Medium-Output LEDs








JAMECO
EXCLUSIVE

Fig. 1



Fig. 2

QUANTITY
SAVE

Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
334749	UT63B3-41-UR33 	1	Blue	Water clear	T1	0.119/3	0.17	0.94	0.10	3.2	900	470	45	\$1.32	\$1.27	\$.97	\$.69
334764	CMD204UWC-JV 	1	White	Water clear	T1	0.119/3	0.20	1.00	0.10	3.7	900	475	30	2.35	1.95	1.75	1.25
206501	LVY3331 	1	Yellow	Yellow transparent	T1 3/4	0.197/5	0.24	1.07	0.07	2.2	700	595	20	.25	.22	.17	.14
206519	LHR3331 	1	Red	Red transparent	T1 3/4	0.197/5	0.24	1.07	0.07	2.0	660	550	20	.22	.19	.15	.12
152864	BVU-501RD4	1	Red Super Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9	600	660	20	.29	.24	.19	.15
333551	LVG13233 	1	Green	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.7	600	565	18	.20	.18	.15	.13
334465	LDBK3331/H0 	1	Blue	Blue transparent	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	900	470	26	1.79	1.55	1.29	1.09
334756	UT5KW3-AA-UAE3-T01 	2	White	Water clear	SMD1206	—	0.08	0.14	—	3.2	550	—	120	2.49	2.25	1.95	1.49

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

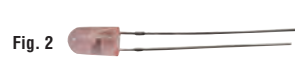
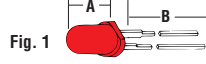
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High-Output LEDs

• Typical DC forward current 20mA

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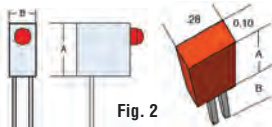


See page 33 for LED Mounting Hardware

Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing			
							A"	B"						1	10	100	1000
217525	MCDPW-3004C	1	White	Water clear	T1	0.119/3	0.18	1.00	0.10	3.8	3000	—	30	\$2.99	\$2.85	\$2.69	\$2.55
333577	LUY53333	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2700	587	20	.29	.25	.22	.19
333614	LUY3833H	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	5000	590	12	.35	.29	.25	.22
333569	LUY333/A	1	Yellow	Water clear	T1 3/4	0.197/5	0.35	1.0	0.10	1.7	1500	595	20	.29	.267	.202	.152
197617	BUV-5E1QH4E	1	Red	Water clear	T1 3/4	0.197/5	0.30	1.05	0.08	1.8	2180	630	15	.39	.35	.29	.25
334423	UT9C13-86-UDC2	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.9	2700	630	18	.25	.22	.19	.15
333518	LUR13233	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	2400	660	18	.22	.19	.15	.12
333526	LUR3833	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	2700	660	12	.22	.19	.15	.11
197683	BVT-5E1QT4ER	1	Orange Red	Water clear	T1 3/4	0.197/5	0.29	1.08	0.08	2.3	4650	634	15	.67	.59	.48	.36
334473	LDGL3333/H0	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	3400	502	22	1.95	1.55	1.19	.99
183214	MCDPG-503PC1	1	Green	Water clear	T1 3/4	0.197/5	0.30	1.04	0.08	3.5	2200	515	10-15	2.95	2.65	2.39	2.15
183222	MCDL-513SBC4	1	Blue	Water clear	T1 3/4	0.197/5	0.29	1.02	0.08	3.6	3000	470	25	3.25	2.95	2.65	2.39
334502	LWK3333	1	White	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	5000	—	16	1.95	1.75	1.49	1.15
334773	UT18W3-86-UAF1-P22	1	White	Water clear	T1 3/4	0.197/5	0.34	1.00	0.10	3.6	2900	475	25	2.25	1.95	1.75	1.35
183231	BUV-5C14WK4-B	1	White	Water clear	T1 3/4	0.197/5	0.30	1.06	0.08	3.5	3000	—	10	1.95	1.75	1.59	1.49
142894	BUV-5E1WK4-B	1	White	Water clear	T1 3/4	0.197/5	0.34	0.79	0.08	3.5	3700	—	15	2.89	2.59	2.29	1.95
320531	MCDL-5013UWC	1	White	Water clear	T1 3/4	0.197/5	0.30	1.00	0.10	3.8	5000	—	15	1.69	1.39	.99	.85
197641	BVT-529T78E	2	Yellow	Yellow transparent	Oval	0.170"/.220"	0.29	1.04	0.08	2.3	3600	592	70	.79	.69	.59	.45
404582	MCDL-1860UWC-15C	3	Ultra White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	—	75	2.25	1.95	1.75	1.35
664341	MCDL-1870UWC-15C	3	White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	6500	—	40	2.75	2.45	2.19	1.65
664405	MCDL-1860UEC-TL	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.0	3200	625	75	1.39	1.25	1.09	.85
664413	MCDL-1870UEC-TL	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.0	4200	625	40	1.39	1.25	.99	.75
664392	MCDL-1870UYC-TL	3	Amber	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.0	4200	590	40	1.15	.99	.85	.65
404603	MCDL-1860UGC-TL	3	Green	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	525	75	2.15	1.95	1.75	1.25
664376	MCDL-1870UGC-TL	3	Green	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	7500	525	30	2.15	1.95	1.55	1.15
404591	MCDL-1860UBC-15C	3	Blue	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	75	2.15	1.95	1.59	1.15

AVAGO
TECHNOLOGIES

LEDs



1554890

* Minimum order 10 pieces

Part No.	Product No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing		
							A"	B"						1	10	100
1584773	HLMP-4000\$010	2	Grn/Hi-eff Red	Diffused, bi-color	T1 3/4	0.197/5	0.36	1.05	0.10	2.2/1.9	4.2/2.1	568/635	65	\$7.70	\$6.63	\$5.55
1584917	HLMP-EG08-Y2000	1	Red	Red untinted/non-diffused	T1 3/4	0.197/5	0.34	1.20	0.10	1.9	9300.0	635	6	.59	.39	.29
1555358	HLMP-CM15-W0000	1	Green	Green non-diffused	T1 3/4	0.197/5	0.34	1.00	0.10	3.8	5500.0	524	15	1.59	1.02	.78
1554734	HLMP-3680	3	Green	Tinted/diffused	T1 3/4	0.197/5	0.31	0.90	0.10	5.0	1.6	565	60	*	.39	.35
1555315	HLMP-CB15-P0000	1	Blue	Blue non-diffused	T1 3/4	0.197/5	0.34	1.00	0.10	3.8	880.0	470	15	1.29	.82	.62
1555331	HLMP-CB30-M0000	1	Blue	Blue non-diffused	T1 3/4	0.197/5	0.34	1.00	0.10	3.8	520.0	470	30	1.30	.83	.69
1584861	HLMP-CB15-R0000	1	Blue	Blue tinted/non-diff.	T1 3/4	0.197/5	0.34	1.20	0.10	3.8	1500.0	472	15	1.29	.82	.62
1584870	HLMP-CW30-SV000	1	White	Untinted/non-diffused	T1 3/4	0.197/5	0.34	1.20	0.10	3.6	1900.0	—	30	1.33	.86	.65
1553782	HLMP-0504	3	Green	Tinted/diffused (rect.)	—	2.5 x 7.6mm	0.32	0.30	0.10	2.2	2.6	565	100	.89	.75	.55
1557089	HSMT-C170	4	Yellow	Yellow untinted/diffused	SMD0805	1.25 x 2mm	0.05	0.08	0.05	2.1	2.8	589	170	*	.077	.069
1555690	HLMP-P205-F0011	5	Hi-eff Red	Untinted/non-diffused	0.07mm	FT sub	0.10	0.46	Axial	1.8	8.0	635	125	.48	.43	.39

LED Housing

Part No.	Product No.	Description	1	10	100
1554890	HLMP-5029	Right angle housing for T1 3/4 LEDs	\$4.49	\$2.29	\$1.19

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LITEON

7-Segment LED Display

The general advantages of LED displays compared to incandescent types include:

- Lower power consumption
- Longer lifetime (average of more than 300,000 hours)
- Compact size suitable for instrumentation and graphic representations

NEW
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Part No.	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing			
										1	10	100	1000
697485	LTD-6910HR	0.56"	Hi-eff. Red	2-digit CC	18	1.7 @ 20	0.6 @ 10	636	RHDP	\$8.89	\$8.87	\$8.84	\$7.99

* CC-Common Cathode # RHDP-Right Hand Decimal Point

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⬆ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 212.

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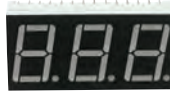
Single Digit RHDP



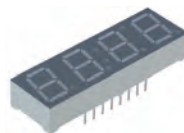
Single Digit RHDP/LHDP



2-Digit RHDP



3-Digit RHDP



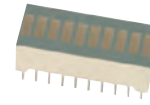
4-Digit RHDP



4x7 Hex Character



Dot Matrix



10-Bargraph

7-Segment LED Displays

Soldering: • Soldering bath: not more than 5 seconds @ 260°C • Soldering iron: not more than 3 seconds @ 300°C under 30W

NEW
MARKED IN PINK

QUANTITY
SAVE

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
335011	ValuePro	UA3041-12	0.30"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	\$.74	\$.67	\$.53
334984	ValuePro	UA3051-12	0.30"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	.79	.69	.59
24783	MCD	LSD3211-11	0.30"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	RHDP	1.07	.90	.78
24732	MCD	LSD3021-11	0.30"	Red	CA	11	1.9 @ 20	0.3 @ 20	697	RHDP	.87	.70	.50
24741	MCD	LSD3221-11	0.30"	Red	CA	11	2.1 @ 20	2.5 @ 20	697	LHDP	.95	.87	.77
335054	ValuePro	UN4043-13 EWRS	0.40"	Orange	3-digit CA	12	2.1 @ 20	3.3 @ 10	635	RHDP	2.25	1.96	1.88
17209	MCD	LSD5061-11	0.50"	Red	CA	10	2.1 @ 20	0.9 @ 20	697	RHDP	1.45	1.23	1.11
17187	Ligitek	LSD5051-11	0.50"	Red	CC	10	2.1 @ 20	0.9 @ 20	697	RHDP	.99	.89	.79
104213	Ligitek	LSD5124-10	0.56"	Orange Red	CA	10	2.0 @ 20	2.4 @ 20	635	RHDP	.80	.68	.60
308224	ValuePro	LM5643R-11RRRN	0.56"	Orange	3-digit CC	11	2.1 @ 20	3.3 @ 10	635	RHDP	1.85	1.66	1.43
24715	Ligitek	LDD5121-20	0.56"	Red	2-digit CA	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.49	1.26	1.07
24723	Ligitek	LDD5111-11	0.56"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.25	1.05	.89
24707	Ligitek	LDD5114-20	0.56"	Orange Red	2-digit CC	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.59	1.43	.98
334933	ValuePro	UC5652-11	0.56"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 10	700	RHDP	1.19	.99	.85
335090	ValuePro	UA5651-11	0.56"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	1.09	1.04	.92
334896	ValuePro	UC5641R-11	0.56"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.95	.94	.65
334942	ValuePro	UC5642R-11	0.56"	Hi-eff Red	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	1.49	1.20	1.02
334976	ValuePro	UA5642R-11	0.56"	Hi-eff Red	2-digit CA	18	2.1 @ 20	3.3 @ 10	635	RHDP	1.29	1.16	.93
335101	ValuePro	UA5641R-11	0.56"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.90	.82	.61
334880	ValuePro	UC5641-11	0.56"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.83	.76	.525
335177	ValuePro	UA5624-11 EWRS	0.56"	Green	4-digit CA	36	2.1 @ 20	2.9 @ 10	567	RHDP	2.75	2.48	1.98
18737	Ligitek	LSD816-11	0.80"	Orange Red	CA	13	1.6 @ 20	0.9 @ 20	655	RHDP	1.31	1.27	1.22
308259	ValuePro	LA8071-11-MIEWRW	0.80"	Red	CA	13	1.7 @ 20	8.9 @ 10	660	LHDP/RHDP	1.49	1.25	.99
18753	Ligitek	LSD8151-10	0.80"	Red	CC	13	2.1 @ 20	1.0 @ 20	697	RHDP	1.45	1.31	1.06
97199	Ligitek	LSD23265-10	2.24"	Red	CA	10	1.7 @ 20	21 @ 20	660	RHDP	6.95	6.23	5.63
97201	Ligitek	LSD23255-10	2.24"	Red	CC	10	1.7 @ 20	21 @ 20	660	RHDP	3.35	3.00	2.85
202542	Ligitek	LSD30155-20	3.0"	Orange Red	CC	10	8 @ 20	4.5 @ 10	635	RHDP	6.05	5.45	4.90
105591	Ligitek	LSD40054-20	4.0"	Orange Red	CC	10	2.0 @ 20	18 @ 20	635	RHDP	9.49	8.29	7.49
202500	Ligitek	LSD40064-20	4.0"	Orange Red	CA	10	2.0 @ 20	18 @ 10	635	RHDP	10.49	9.49	8.59

* CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point ‡ 5 diodes per segment

AVAGO
TECHNOLOGIES

Alphanumeric LED Display

NEW
MARKED IN PINK



Part No.	Product No.	Character Height	Color Display	Bus Polarity	Pins/Leads	Typical mcd @ mA	Wavelength nm	Pricing		
								1	10	100
1551200	HDSP-2112	0.20	Hi-eff. Red	8-char. alphanumeric	8	7.5	635	\$33.99	\$32.18	\$30.38

Bargraph & Dot Matrix LED Displays

See above for photos

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing		
										1	10	100
334511	ValuePro	UL10000-E-EWAK	—	Green	Bargraph	20	2.1 @ 20	1.4 @ 10	567	\$1.25	\$.99	\$.85
334529	ValuePro	UL10000-HR-RRAK	—	Red	Bargraph	20	2.1 @ 20	1.6 @ 10	635	1.31	1.05	.86
32951	Texas Inst.	TIL311	0.300"	Red	4 x 7 Hex char	11	5.0 @ 5	0.1 @ 5	660	20.35	17.22	14.64
218843	Various	CSM57041T-11	0.700"	Red	5 x 7 CC/CR	12	1.8 @ 20	8 @ 20	660	1.95	1.69	1.39
206560	Various	LTP2157AG	2.0"	Green	5 x 7 CC/AR	14	3.7 @ 80	4.8 @ 80	565	1.79	1.59	1.45
183265	Ligitek	LMD5821ASR-20	2.3"	Red	5 x 8 CC/AR	14	1.7 @ 20	12 @ 20	660	4.49	3.95	3.49

* CC-Common Cathode/CR-Cathode Row/AR-Anode Row ‡ Compatible Jameco socket: P/N 37162, pg 82

velleman

Voice Activated LED Kit

Uses sound to activate the flashing of 4 bright red LEDs.

- Power consumption: 0.5mA min./12mA max.
- 33-pieces

Requires: 8-15VDC power supply (P/N 100095, pg 131) or 9VDC battery (P/N 151095, pg 136)



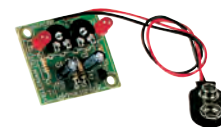
velleman

Flashing LED Kit

Activates 2 flashing LEDs for applications such as model building.

- 5.5" wire w/ 9V battery connector
- Consumption: 4mA min.
- 23-pieces

Requires: 9VDC battery (P/N 151095, pg 136)



Part No.	Product No.	Dimensions	1	10	Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
147571	MK103	2.5"L x 1.6"W x 1.4"H	\$9.95	\$8.95	147580	MK102	1.3"L x 1.4"W x 0.6"H	0.1	\$7.95	\$7.19

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional LED Displays are available online at www.Jameco.com/Optos



Bargraph LED Display

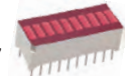
Part No.	Product No.	Illuminated Color	Bus Polarity	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength (nm)	1	10	100
1551402	HDSP-4832	Hi-eff. Red, Yellow, Green	Bargraph	20	2.1 @ 20, 2.2 @ 20, 2.1 @ 10	3.5 @ 10, 1.9 @ 10, 1.9 @ 10	635, 583, 566	\$6.45	\$5.99	\$5.62



Bargraph & Lightbar LED Displays



697477



Part No.	Product No.	Illuminated Color	Bus Polarity	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength (nm)	1	10	100
697493	LTL-2685HR	Hi-eff. Red	Lightbar	16	2.0 @ 20	16 @ 10	635	\$1.49	\$1.29	\$.99
697477	LTA-1000HR	Hi-eff. Red	Bargraph	20	2.0 @ 20	2 @ 10	635	1.04	.87	.69
697469	LTA-1000G	Green	Bargraph	20	2.1 @ 20	2 @ 10	565	1.04	.87	.69
697506	LTL-2885G	Green	Lightbar	16	2.0 @ 20	16 @ 10	565	1.65	1.39	1.25

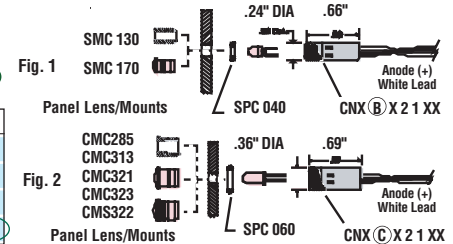


Conxrite Pre-Wired Solderless LED Interconnects

Designed to replace labor-intensive hard-wiring of panel-mounted LEDs to PCB.

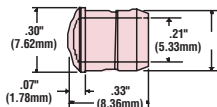


Part No.	Type	Fig.	LED Type	Termination	Length	1	10	100	1000
143087	CNXBE2108	1	T1 (3mm) Bi-lead	2 position connector	8"	\$1.99	\$1.69	\$1.11	\$1.00
417439	CNXBX2118	1	T1 (3mm) Bi-lead	Stripped leads	18"	1.95	1.75	1.49	1.29
143037	CNXCE2108	2	T1 3/4 (5mm) Bi-lead	2 position connector	8"	1.29	1.25	1.19	1.15
417501	CNXCX2112	2	T1 3/4 (5mm) Bi-lead	Stripped leads	12"	1.49	1.29	1.05	.89



Cliplite® Panel Lens for PCB Mounted LEDs

T1-3/4 size low-profile panel lenses provide 180° viewing angle.

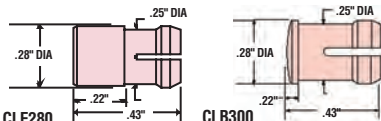


Part No.	Type	Size	Color	1	10	100	1000
143132	CMC321CTP	T1 3/4	Clear	\$.29	\$.25	\$.22	\$.17



T1 3/4 Cliplite® LED Lens Mounts

Standard and low profile, provide 180° viewing angle. Colors: red and clear.



Part No.	Type	Size	Color	1	10	100	1000
29612	CLF280RTP	T1 3/4	Red	\$.29	\$.25	\$.22	\$.16
14277	CLF280CTP	T1 3/4	Clear	.28	.257	.216	.157
124927	CLB300CTP	T1 3/4	Clear	.29	.257	.228	.175



For VCC Cable Assembly visit www.Jameco.com - Keyword: VCC

LED Mounting Hardware

- Color: black
- Prepackaged: please order in increments of 10



Part No.	Cross Ref. No.	Description	Mounting Hole Dia.	Panel Thickness	Pricing		
					10	100	1000
95513	LMH100	T1 snap-in	.185"	Up to .070"	\$.088	\$.07	\$.046
23077	LMH200	T1 3/4 ring & clip	.257"	Up to .125"	.15	.14	.12

LEDs & LED Mounting Hardware Kit

Includes:

- 20-drawer component cabinet (319600),
- 20 clear plastic drawers (319601),
- 20 clear dividers (319611), pg 167 and labels
- 10 ea. standard-output LEDs (34657, 114673, 114681, 34606, 34825, 34711, 104248, 34690, 34761, 104256, 34673), pg 30 & 11359, on web
- 10 ea. LED lens mount (14277), pg 33
- 100 ea. LEDs (94529), pg 29 & 135597, on web
- 100 ea. LED mounting hardware (95513, 23077), pg 33

SAVE \$21



Part No.	Description	Wt. (lbs.)	1	10
84996	560 piece kit	5.0	\$69.95	\$63.25



Reflective Sensor

Part No.	Product No.	Description	Size	Diameter inch/mm	Dimensions (inches)				Vf @ If	nm	mWatts	Pricing			
					A	B	C	D				1	10	100	1000
874939	QRD114	Reflective object sensor	6.1mm x 4.7mm	—	—	—	—	—	1.7V @ 50mA	940	100	\$.93	\$.73	\$.62	\$.59



Infrared Emitters and Photodiode



Fig. 1



Fig. 2



Fig. 3

Part No.	Product No.	Fig.	Description	Size/Package	Diameter inch/mm	Dimensions (inches)				Vf @ If	mWatts	Pricing			
						A	B	C	D			1	10	100	1000
1872151	OP290A	1	Infrared emitter diode	T1 3/4	.195/5.0	0.30	0.75	1.00	0.04	4.0 @ 1.5A	333	\$.82	\$.76	\$.74	
1872249	OP298B	2	Infrared emitter diode	T0-46 package	.183/4.7	0.20	—	0.75	0.03	2.0 @ 1.5A	142	1.05	1.00	.74	
1872441	OP999	3	PIN silicon photodiode	T1 3/4	.205/5.3	0.31	—	0.75	0.04	1.2VF @ 1mA	100	.87	.82	.77	

Committed to You

We're committed to providing you with the best service in the industry.

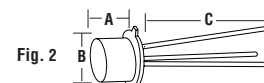
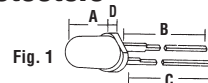
Infrared LEDs, LED Lamps & Panel Mount Indicators

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	GENERIC & NON-FRANCHISED	JAMECO HOUSE BRANDS	FACTORY OVERRUN

Additional Infrared LEDs are available online at www.Jameco.com/Optos

Infrared & Visible Light Emitters & Detectors

- Use for remote control and/or for fiber optics
- P/N 133947: Used with infrared lighted cameras, see www.Jameco.com (peak emission wavelength: 940nm @ 20mA)



Part No.	Cross Ref. No.	Manufacturer	Fig.	Description	Size	Diameter inch/mm	Dimensions (inches)				Vf @ If	nm	mWatts	Pricing		
							A	B	C	D				1	10	100
112150	LIR2043	Ligitek	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.18	0.95	0.98	0.03	1.2V @ 20mA	940	5	\$.22	\$.18	\$.14
133947	SLI-0308CP	Various	1	Infrared emitter diode (GaAs)	T1	0.12/3	0.22	0.98	1.00	0.03	1.3V @ 50mA	940	4	.62	.53	.40
112176	LPT2023	Ligitek	1	Infrared phototransistor	T1	0.12/3	0.18	0.95	0.98	0.03	—	940	—	.39	.29	.19
106526	LVIR3333	Ligitek	1	Infrared emitter diode (GaAs)	T1 ¼	0.200/5	0.34	0.78	0.84	0.04	1.2V @ 20mA	940	8	.39	.29	.19
112169	UT1893-82-0125-R	Ledtech	1	Infrared phototransistor	T1 ¼	0.200/5	0.31	1.05	1.10	0.04	—	940	—	.36	.30	.24
120221	BPW77NA	Various	2	Visible light phototransistor	TO-18	—	0.24	0.19	0.52	—	—	850	—	1.99	1.89	1.55

JAMECO ValuePro

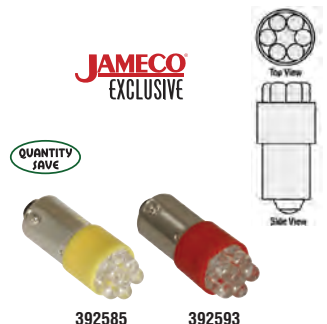
LED Replacement Lamps

- Low current draw – 90% less energy than incandescent
- Mounts directly into industry standard socket
- No heat generated
- Long life – up to 100k hours

Cluster-Based LED T3 - Miniature Bayonet (BA9s) - Non-Polarized

- Replaces incandescent lamp numbers: 44, 47, 313, 755, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

Part No.	Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing		
							1	10	100
392585	585-5523	Yellow	14	20	7000	588	\$9.95	\$9.45	\$7.09
392593	585-5225	Red	28	15	6500	630	11.65	9.96	9.15
392622	585-5525	Yellow	28	15	6000	588	12.95	10.95	8.95
392632	585-5256	Red	120VAC	5.5	6500	625	9.49	8.49	7.49
392649	585-5356	Green	120VAC	5.5	7000	525	6.25	5.49	4.95



Neon Panel Mount Lamps

- Input voltage: 120V
- Mounting hole diameter: 5/8" (16mm)
- Solder terminals: 0.196" (5mm)

Part No.	Cross Ref. No.	1	10	100
215803: Red				
215812: Yellow				
215830: Green				
1585485: Green, rectangular				
• 6" wire leads				
• Size: .91"L x .38"W x .77"D				
215803	R9-71N-05-120V-R	\$2.09	\$1.86	\$1.58
215812	R9-71N-05-120V-Y	1.89	1.66	1.41
215830	R9-71N-05-120V-G	1.49	1.35	.99
1585485	32501001714	.79	.65	.49



LED Panel-Mount Indicators

- Easy panel installation
- Panel/status/instrument indicators

141111/141129/141137: Chrome housing

Part No.	Cross Ref. No.	Mfg.	LED Size	Color	Dimensions (in.)			Mounting Hole	Vf @ If	Pricing		
					L	A	B			1	10	100
141111	L922SRD	Various	T1	Red	.56	.34	.25	.23"	2V @ 20mA	\$.76	\$.68	\$.58
141129	L913RD	Various	T1	Red	.56	.39	.32	.24"	2V @ 20mA	1.39	.98	.86
141137	L917RD	Various	T1 ½	Red	.70	.55	.47	.31"	2V @ 20mA	.99	.89	.79
637183	UT2U1G-H113-R801-W05	Ledtech	T1 ½	Green	.55	5.5	5.5	.24"	12V @ 30mA	1.37	1.25	1.03



For CML LED Panel-Mount Indicators visit www.Jameco.com – Keyword: CML



For Dialight LED Panel-Mount Indicators visit www.Jameco.com – Keyword: Dialight

12V Incandescent Panel Mount Lamps

- 215715/215723/215732: solder terminals - 0.196" (5mm)

Part No.	Cross Ref. No.	Fig.	Color	Mounting Hole	Wire Length	1	10	100
215774	R9-46B-W100-12V-R	1	Red	1/2" (13mm)	3.9" (100mm)	\$2.25	\$1.95	\$1.75
215782	R9-46B-W100-12V-Y	1	Yellow	1/2" (13mm)	3.9" (100mm)	1.69	1.47	1.20
215791	R9-46B-W100-12V-G	1	Green	1/2" (13mm)	3.9" (100mm)	2.19	1.87	1.40
215749	R9-55B-W130-12V-R	2	Red	9/32" (7mm)	4.9" (125mm)	2.15	1.91	1.62
215758	R9-55B-W130-12V-Y	2	Yellow	9/32" (7mm)	4.9" (125mm)	1.75	1.49	1.25
215766	R9-55B-W130-12V-G	2	Green	9/32" (7mm)	4.9" (125mm)	2.19	1.90	1.43
215715	R9-71B-05-12V-R	3	Red	5/8" (16mm)	Terminals	2.39	2.10	1.58
215723	R9-71B-05-12V-Y	3	Yellow	5/8" (16mm)	Terminals	1.65	1.45	1.09
215732	R9-71B-05-12V-G	3	Green	5/8" (16mm)	Terminals	1.85	1.65	1.24



Electroluminescence Wire

Imagine the possibilities of transforming ordinary objects with high tech visual effects. Wrap this fluorescent wire around any objects such as musical instruments, models, science projects, and presentation boards. Super charge your projects with brilliant color.

- Powered by 2 AA batteries
- Length: 4.5'

Part No.	Product No.	Color	1	10	25
263484	NWRB15	Blue	\$23.95	\$19.95	\$17.95

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

Why Test It?

With the huge MTBF of LEDs, you might wonder why we offer an LED tester in the first place. Why, you ask? After talking to a few friends, I found some like to clip their leads before inserting the LEDs into a board. And when you have mid 30's or 40's eyesight and you've been staring at the computer screen too often, you can't always depend on feeling the detent to determine polarity. Consider the tester on page 35 if you need assistance too!



Practical Practices
Money Saving Tips for the Engineer

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Lamps are available online at www.Jameco.com/Optos

Miniature Fluorescent Lamp

Add fluorescent color to your projects, computer case, car and other displays with this economical light. Now you can easily and affordably mount this 4" light tube to add cool cold-cathode effects and give your display a richer look and feel. Optional power supply below converts 12VDC input into 180V – 800V output needed by light.

Part No.	Product No.	Description	1	10	25
239610	FLW1	White light	\$9.95	\$8.95	\$7.95
239636	FLPS1	12VDC power supply	9.95	8.95	7.95

LED Light Strip Module

- LED Sections: 6
- Lead length: 14"
- Typical applications: running light or light source for under cabinets, closets, RV's, enclosures

Part No.	Cross Ref.	Color	Input Volt. Typ. (V@mA)	Total Flux Typ. (lm)	Wave Length (nm)	Viewing Angle (Deg.)	Pricing		
							1	10	25
1586171	UY19209-627	White	12 @ 180	—	—	120	\$24.95	\$22.49	\$19.95

Flashing LED Sweetheart Kit

This kit shows a beating heart. Great for decorations!

- Power consumption: 8mA
- 46-piece kit
- Weight: 0.1 lbs.

Requires: 8 to 15VDC wall transformer (P/N 100095, pg 131) or 9VDC battery (P/N 151095, pg 136)

Part No.	Product No.	Size	1	10	25
147555	MK102	1.3"L x 2.3"W x 1.3"H	\$12.49	\$11.25	\$10.25

2-150mA LED Tester

Pocket-size LED tester makes it easy to check functionality, color, brightness and uniformity. Plug any leaded LED into one of the 13 positions on the tester at current ratings ranging from 2-30mA. Another 13 positions strip ranging from 20mA to 150mA to test other types of LEDs.

Part No.	Description	Size (L x W x H)	Price
355805	LED tester	3.1" x 2.2" x 0.9"	\$9.69



Incandescent Lamps

Part No.	Cross Ref.	Fig.	Description	Volts	MSCP	1	5	10
209390	14	1	G3 1/2 miniature screw	2.47	.50	\$0.29	\$0.19	\$0.15
209402	40	2	T3 1/4 miniature screw	6.3	.50	.29	.19	.15
209429	46	2	T3 1/4 miniature screw	6.3	.90	.35	.25	.19
209437	47	3	T3 1/4 miniature bayonet	6.3	.50	.25	.22	.18
209488	86	4	T1 3/4 wedge	6.3	.40	.45	.35	.25
209841	1816	3	T3 1/4 miniature bayonet	13.0	3.0	.25	.22	.19
209859	1818	3	T3 1/4 miniature bayonet	24.0	3.3	.49	.39	.29
209867	1819	3	T3 1/4 miniature bayonet	28.0	3.0	.25	.22	.19
141073	2182	6	T1 3/4 wire terminal	14.0	.34	.49	.39	.29
141066	2200	6	T1 3/4 wire terminal	5.0	.05	.49	.39	.29
141057	6833	7	T 3/4 wire terminal	5.0	.05	.49	.39	.29
209998	7219	5	T1 wire terminal	12.0	.15	.35	.25	.19
1943916	CM8-A241	5	T1 wire terminal w/ blue cap	12.0	.15	.29	.19	.15
210008	7328	8	T1 3/4 bi-pin	6.0	.60	.69	.59	.45
210032	7382	8	T1 3/4 bi-pin	14.0	.30	.59	.49	.35
210041	7387	8	T3 1/4 bi-pin	28.0	.30	.75	.59	.45
210092	120MB	9	T2 miniature bayonet	120.0	1200	.75	.59	.49
210104	120PSB	10	T3 1/4 bi-pin	28.0	.30	.75	.65	.55

Blue Part No. = Limited Quantity Available

Neon Lamps

Part No.	Cross Ref.	Fig.	Description	Voltage	1	5	10
27351	A1A (NE-2)	11	Wire terminal .6mA	65-120	\$0.35	\$0.25	\$0.19
210315	C2A (NE-2H)	11	Wire terminal	65-120	.29	.19	.15

For CML Incandescent Panel Mount Lamps visit www.Jameco.com – Keyword: CML
 For CML Neon Lamps visit www.Jameco.com – Keyword: CML

CdS Photocells



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JAMECO ValuePro

- Generate variable signal based on detection of light levels
- Soldering: 230°C for 3 seconds

- Cadmium Sulfide (CdS)
- Operating temperature: -30°C to +70°C

Applications include: auto-focus lenses, exposure meters, contrast controls for TVs, dimmer or light switches, flame detectors, electronic toys, street lamp switches, optocouplers

	Part No.	Cross Ref. No.	Rating		Resistance (Ω)		Size (inches)		Lead Spacing (inches)	Lead Length (inches)	Pricing			
			Vp	mW	Dark	Light	A	B			1	10	100	1000
 202438	202366	CDS0029001	150	90	300k	4k	0.14	0.17	0.10	1.02	\$1.69	\$1.52	\$1.22	\$.99
	120310	CDS0029004	150	90	2M	27k	0.14	0.17	0.10	1.44	1.45	1.20	1.09	.99
	202391	CDS0029203	150	90	10M	5k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	1.09
	202382	CDS0029008	150	90	20M	10k	0.14	0.17	0.10	1.02	1.49	1.34	1.21	.99
	202420	CDS0018003	150	100	500k	16k	0.17	0.20	0.13	1.02	.78	.70	.64	.58
 120299	202403	CDS0018001	150	100	200k	3k	0.17	0.20	0.13	1.02	1.49	1.35	1.19	1.09
	202411	CDS0018006	150	100	5M	80k	0.17	0.20	0.13	1.02	.69	.65	.59	.55
	202438	CDS0037004	200	150	500k	15k	0.25	0.29	0.20	1.02	1.49	1.34	1.07	.96
	120301	CDS0037001	200	150	300k	3k	0.25	0.29	0.20	1.02	1.79	1.59	1.45	1.29
	120299	CDS0045001	350	400	300k	8k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.29
	202454	CDS0045003	350	400	1M	12k	0.37	0.43	0.30	1.44	1.69	1.52	1.20	.90

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Electrolytic Capacitors

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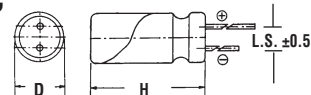
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JAMECO ValuePro

Aluminum Radial-Lead Electrolytic Capacitors (±20%) 85°C



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† CROSS REFERENCES: Nichicon: LB/VX/USA/SR/SA/UVR; Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SG; Panasonic: KA/KS/SU

JAMECO
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85°C – General Purpose

* Prepackaged: please order in increments of 10

* Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
609043	UVR2A0R1MDD	0.1	100V	5 x 11 x 2	*	\$.103	\$.07	\$.048
330465	RA0.47/50	0.47	50V	5 x 11 x 2	*	.045	.038	.029
330431	RA1/25	1	25V	5 x 11 x 2	*	.045	.039	.03
94161	5R1/50	1	50V	4 x 5 x 1.5	*	.12	.10	.075
29833	R1/50	1	50V	5 x 11 x 2	*	.063	.053	.042
93731	R2.2/50	2.2	50V	5 x 11 x 2	*	.047	.041	.028
31002	R4.7/50	4.7	50V	5 x 11 x 2	*	.042	.036	.027
198838	R10J/16	10	16V	5 x 11 x 2	*	.054	.036	.03
94212	5R10/25	10	25V	4 x 5 x 1.5	*	.13	.08	.05
94220	5R10/35	10	35V	5 x 5 x 2	*	.083	.057	.056
94370	7R10/35	10	35V	4 x 7 x 1.5	*	.11	.094	.071
29893	R10/50	10	50V	5 x 11 x 2	*	.067	.055	.045
330482	RA10/63	10	63V	5 x 11 x 2	*	.057	.041	.03
330609	RA10/250	10	250V	10 x 16 x 5	.29	.261	.209	.157
93739	R22/50	22	50V	5 x 11 x 2	*	.047	.033	.026
93747	R33/50	33	50V	6.3 x 11 x 2.5	*	.066	.06	.054
198863	R47J/16	47	16V	6.3 x 11 x 2.5	*	.083	.071	.053
198952	R47J/35	47	35V	5 x 11 x 2	*	.101	.071	.048
31116	R47/50	47	50V	6.3 x 11 x 2.5	*	.067	.056	.05
330562	RA47/160S	47	160V	10 x 20 x 5	.45	.32	.272	.204
330617	RA47/250	47	250V	13 x 25 x 5	.57	.508	.447	.388
330676	RA47/450	47	450V	18 x 30 x 7.5	1.27	1.14	.92	.69
207813	R100/10	100	10V	5 x 11 x 2	*	.08	.06	.045
330422	RA100/16	100	16V	5 x 11 x 2	*	.068	.066	.058
94289	5R100/16	100	16V	6.5 x 5 x 2.5	*	.15	.12	.09
94431	7R100/16	100	16V	6 x 7 x 2.5	*	.15	.12	.09
198970	R100J/35	100	35V	6.3 x 11 x 2.5	*	.07	.06	.05
29964	R100/50	100	50V	8 x 11.5 x 3.5	*	.078	.067	.056
330529	RA100/100	100	100V	10 x 17 x 5	.33	.297	.238	.179
330580	RA100/160S	100	160V	16 x 25 x 7.5	.68	.60	.465	.324
330625	RA100/250	100	250V	16 x 31.5 x 7.5	1.49	1.34	1.08	.81
330684	RA100/450	100	450V	22 x 42.5 x 10.5	2.55	1.95	1.46	1.12
135124	7R220/10	220	10V	6 x 7 x 2.5	*	.14	.096	.072

Note: Above case sizes may have ± tolerances

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
198872	R220J/16	220	16V	6.3 x 11 x 2.5	\$.20	\$.11	\$.07	\$.06
30498	R220/25	220	25V	8.5 x 11 x 3.5	.20	.18	.144	.108
93772	R220/35	220	35V	8 x 12 x 3.5	*	.09	.08	.07
93780	R220/50	220	50V	10 x 16 x 5	.26	.201	.16	.12
609115	UVR2C221MHD	220	160V	16 x 30 x 7.5	1.32	1.02	.77	.55
198978	R330J/35	330	35V	10 x 12.5 x 5	.25	.18	.14	.10
330472	RA330/50	330	50V	10 x 16 x 5	.272	.245	.179	.10
93811	R470/16	470	16V	8 x 11.5 x 3.5	.27	.132	.124	.118
31182	R470/25	470	25V	8 x 14 x 3.5	.32	.19	.14	.10
93819	R470/35	470	35V	10 x 16 x 5	.20	.17	.15	.13
93827	R470/50	470	50V	10 x 20 x 5	.39	.372	.252	.173
158465	R470B63	470	63V	13 x 20 x 5	.52	.49	.42	.315
609019	UVR1J471MHD	470	63V	13 x 21 x 5	.62	.56	.448	.336
199102	R470J/100	470	100V	16 x 25 x 7.5	1.15	.78	.69	.58
330456	RA680/25S	680	25V	8 x 16 x 3.5	.97	.87	.70	.525
330393	RA1000/10	1000	10V	8 x 14 x 3.5	.27	.243	.194	.146
30017	R1000/16	1000	16V	10 x 16 x 5	.28	.244	.179	.129
93835	R1000/25	1000	25V	10 x 20 x 5	.28	.25	.23	.18
93843	R1000/50	1000	50V	13 x 25 x 5	.74	.544	.40	.31
199111	R1000J/100	1000	100V	18 x 41 x 7.5	2.29	2.06	1.65	1.24
30535	R2200/25	2200	25V	13 x 21 x 5	.72	.53	.42	.302
198986	R2200J/35	2200	35V	16 x 25 x 7.5	1.39	1.25	.99	.74
608956	UVR1H222MHD	2200	50V	16 x 30 x 7.5	1.59	1.20	.90	.64
608981	UVR1J222MHD	2200	63V	18 x 35.5 x 7.5	1.55	1.18	.91	.68
198897	R3300J/16	3300	16V	13 x 21 x 5	.80	.46	.36	.27
30893	R3300/25	3300	25V	13 x 29 x 5	.95	.87	.66	.58
198994	R3300J/35	3300	35V	16 x 30 x 7.5	1.05	.79	.60	.428
198901	R4700J/16	4700	16V	16 x 25 x 7.5	.88	.69	.52	.39
93851	R4700/25	4700	25V	16 x 31.5 x 7.5	1.32	1.19	.96	.72
199006	R4700J/35	4700	35V	18 x 35 x 7.5	1.35	1.25	1.15	1.05
163302	R4700/50	4700	50V	22 x 41 x 10	2.25	2.03	1.62	1.45
198934	R6800J/25	6800	25V	18 x 35.5 x 7.5	2.15	1.25	.94	.70
608948	UVR1C103MHD	10000	16V	18 x 35 x 7.5	1.95	1.45	1.09	.77

Note: Above case sizes may have ± tolerances

Blue Part No. = Limited Quantity Available

Great Prices on Special Buys from Other Manufacturers

* Prepackaged: please order in increments of 10								
Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
29831	R1/50	1	50V	5 x 11 x 2.0	*	\$.063	\$.053	\$.042
31000	R4.7/50	4.7	50V	5 x 11 x 2.0	*	.039	.033	.025
29891	R10/50	10	50V	5 x 11 x 2.0	*	.06	.05	.04
31114	R47/50	47	50V	6 x 11 x 2.5	*	.06	.048	.036
93761	R100/25	100	25V	6 x 11 x 2.5	*	.084	.06	.042
29962	R100/50	100	50V	8 x 11 x 3.5	*	.084	.072	.06
30496	R220/25	220	25V	8 x 11 x 3.5	*	.096	.072	.06
93778	R220/50	220	50V	10 x 12 x 5.0	.24	.158	.113	.095
93809	R470/16	470	16V	8 x 11 x 3.5	*	.099	.095	.071
31181	R470/25	470	25V	10 x 12 x 5.0	.29	.178	.128	.096

* Capacitor dimensions and styles may vary.

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing				QUANTITY SAVE
					1	10	100	500	
93817	R470/35	470	35V	10 x 16 x 5.0	\$.18	\$.156	\$.138	\$.12	
93825	R470/50	470	50V	12 x 20 x 5.0	.31	.287	.272	.257	
30015	R1000/16	1000	16V	10 x 16 x 5.0	.24	.216	.172	.129	
93833	R1000/25	1000	25V	10 x 20 x 5.0	.41	.32	.29	.16	
93841	R1000/50	1000	50V	6.5 x 11.3 x 2.2	.53	.469	.414	.311	
30533	R2200/25	2200	25V	12 x 25 x 5.0	.66	.50	.39	.35	
30891	R3300/25	3300	25V	16 x 25 x 7.5	.86	.63	.468	.435	
93850	R4700/25	4700	25V	16 x 31 x 7.5	1.19	1.07	.96	.72	
163301	R4700/50	4700	50V	22 x 42 x 10.0	2.09	1.87	1.49	1.12	

* Capacitor dimensions and styles may vary.

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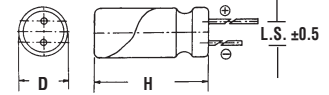
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JAMECO ValuePro

Aluminum Radial-Lead Electrolytic Capacitors (±20%) 105°C



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† CROSS REFERENCES: Nichicon: LB/VX/USA/SR/SA/UPW/UVZ/UHE; Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SG; Panasonic: KA/KS/SU

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105°C – HT Type General Purpose

* Prepackaged: please order in increments of 10

* Prepackaged: please order in increments of 10

Part No.	Cross Ref. No. †	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
609545	UVZ1H0R1MDD	0.1	50V	5 x 11 x 2	\$.22	\$.133	\$.092	\$.059
330772	RB1/50	1	50V	5 x 11 x 2	*	.068	.056	.042
158491	R1B100	1	100V	5 x 11 x 2	*	.11	.08	.06
609959	UVZ2E010MED	1	250V	8 x 11 x 3.5	.29	.19	.13	.07
609561	UVZ1H2R2MDD	2.2	50V	5 x 11.5 x 2	.21	.19	.16	.12
607961	UPW1H3R3MDD	3.3	50V	5 x 11 x 2	*	.122	.091	.068
330692	RB10/16	10	16V	5 x 11 x 2	*	.047	.041	.035
607849	UPW1H100MDD	10	50V	5 x 11 x 2	.24	.164	.117	.088
330799	RB10/50	10	50V	5 x 11 x 2	*	.068	.056	.044
609641	UVZ1J100MDD	10	63V	5 x 11 x 2	.20	.133	.10	.067
158530	R10B100	10	100V	6.3 x 11 x 2.5	*	.085	.075	.065
610036	UVZ2W100MHD	10	450V	13 x 21 x 5	.79	.59	.43	.31
158327	R22B35	22	35V	5 x 11 x 2	*	.07	.05	.03
609828	UVZ2C220MPD	22	160V	10 x 15 x 5	.44	.29	.19	.13
609975	UVZ2E20MHD	22	250V	13 x 20 x 5	.55	.495	.396	.297
607929	UPW1H270MHD	27	50V	5 x 11 x 2	.26	.178	.125	.094
609502	UVZ1C470MDD	47	16V	5 x 11 x 2	*	.129	.109	.089
607970	UPW1H470MED	47	50V	6.3 x 11 x 2.5	.29	.21	.15	.10
330820	RB47/50	47	50V	6.3 x 11 x 2.5	*	.10	.085	.066
608139	UPW1J470MPD	47	63V	8 x 11.5 x 3.5	.31	.28	.24	.18
609879	UVZ2C470MHD	47	160V	13 x 21 x 5	.63	.457	.332	.241
610010	UVZ2E470MHD	47	250V	13 x 25 x 5	.85	.77	.62	.465
606862	UHE1H560MED	56	50V	6.3 x 11 x 2.5	*	.146	.116	.087
606686	UHE1E101MED	100	25V	6.3 x 11 x 2.5	*	.171	.145	.109
330740	RB100/25	100	25V	6.3 x 11 x 2.5	*	.067	.057	.048
330748	RB100/35	100	35V	10 x 15 x 5	*	.142	.121	.091
158394	R100B50	100	50V	8 x 11.5 x 3.5	*	.108	.084	.066
608032	UPW1J101MPD6	100	63V	8 x 14 x 3.5	.39	.28	.20	.15
330827	RB100/63	100	63V	10 x 13 x 5	.33	.24	.18	.13
609748	UVZ2A101MPD	100	100V	10 x 20 x 5	.50	.373	.274	.204
609916	UVZ2D101MHD	100	200V	16 x 25 x 7.5	1.55	1.16	.87	.61
609967	UVZ2E101MHD	100	250V	16 x 31 x 7.5	1.55	1.21	.94	.70
606555	UHE1A221MED	220	10V	6.3 x 11 x 2.5	*	.138	.11	.083
158263	R220B25	220	25V	8 x 11 x 3.5	*	.144	.116	.087
606820	UHE1H221MPD	220	50V	10 x 16 x 5	.31	.279	.22	.165
158406	R220B50	220	50V	10 x 17 x 5	.41	.29	.20	.15
609668	UVZ1J221MPD	220	63V	10 x 16 x 5	.56	.413	.307	.23
609764	UVZ2A221MHD	220	100V	13 x 26 x 5	1.04	.78	.57	.41
609721	UVZ1V331MPD	330	35V	10 x 16 x 5	.35	.315	.252	.189
609385	UVZ0J471MED	470	6.3V	6 x 11 x 2.5	.31	.279	.224	.168
158203	R470B16	470	16V	8 x 11 x 3.5	.32	.19	.13	.095

Note: Above case sizes may have ± tolerances

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No. †	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
606678	UHE1C471MPD	470	16V	8 x 14 x 3.5	\$.28	\$.23	\$.16	\$.11
158289	R470B25	470	25V	10 x 16 x 5	*	.148	.134	.112
606740	UHE1E471MPD6	470	25V	10 x 16 x 5	.43	.305	.218	.164
607988	UPW1H471MHD	470	50V	13 x 20 x 5	.82	.74	.59	.443
606854	UHE1H471MPD	470	50V	13 x 20 x 5	.64	.59	.495	.371
608147	UPW1J47MHD6	470	63V	12.5 x 31.5 x 5	.99	.76	.59	.443
608016	UPW1H561MHD	560	50V	13 x 25 x 5	1.04	.94	.76	.57
606871	UHE1H681MHD	680	50V	13 x 28 x 5	.71	.52	.39	.28
607179	UHE2A681MHD	680	100V	18 x 33 x 7.5	1.20	.94	.70	.59
606432	UHE0J102MPD	1000	6.3V	8 x 14 x 3.5	*	.178	.158	.119
609465	UVZ1C102MPD	1000	16V	10 x 20 x 5	.63	.39	.35	.25
330722	RB1000/16	1000	16V	10 x 20 x 5	.23	.216	.19	.171
158298	R1000B25	1000	25V	10 x 17 x 5	.35	.29	.25	.19
158378	R1000B35	1000	35V	13 x 21 x 5	.49	.44	.35	.26
609553	UVZ1H102MHD	1000	50V	13 x 25 x 5	.84	.62	.45	.39
607865	UPW1H102MHD	1000	50V	16 x 25 x 7.5	1.20	.91	.70	.59
606627	UHE1C122MPD	1200	16V	10 x 24 x 5	.43	.31	.22	.16
607232	UPW0J152MPD	1500	6.3V	10 x 20 x 5	.49	.34	.25	.18
607398	UPW1A152MPD6	1500	10V	10 x 20 x 5	.57	.40	.29	.21
607873	UPW1H152MHD	1500	50V	16 x 30 x 7.5	1.46	1.14	.85	.61
606467	UHE0J182MHD	1800	6.3V	10 x 20 x 5	.39	.28	.20	.15
607751	UPW1E182MHD	1800	25V	13 x 25 x 5	1.25	1.13	.90	.68
609342	UVZ0J222MPD	2200	6.3V	10 x 20 x 5	.53	.37	.27	.19
607427	UPW1A222MHD	2200	10V	13 x 20 x 5	.60	.54	.43	.33
606563	UHE1A222MPD	2200	10V	10 x 24 x 5	.61	.56	.48	.36
609490	UVZ1C222MHD	2200	16V	13 x 20 x 5	.79	.59	.45	.32
609705	UVZ1V222MHD	2200	35V	16 x 26 x 7.5	1.38	1.05	.81	.57
608235	UPW1V222MHD6	2200	35V	18 x 26 x 7.5	1.42	1.10	.85	.64
607064	UHE1V222MHD	2200	35V	16 x 26 x 7.5	1.12	1.01	.78	.68
606838	UHE1H222MHD6	2200	50V	18 x 30 x 7.5	1.55	1.20	1.05	.79
158432	R2200B50	2200	50V	16 x 31 x 7.5	1.19	1.04	.78	.64
609449	UPW1A332MHD	3300	10V	12.5 x 20 x 5	.84	.62	.476	.34
607443	UPW1A332MHD6	3300	10V	13 x 20 x 7.5	.63	.46	.34	.25
606715	UHE1E332MHD	3300	25V	16 x 31.5 x 7.5	1.27	1.01	.78	.58
608278	UPW1V332MHD	3300	35V	18 x 33 x 7.5	1.79	1.40	1.08	.81
609588	UVZ1H332MHD	3300	50V	18 x 36 x 7.5	1.55	1.17	.94	.67
609393	UVZ0J472MHD	4700	6.3V	12.5 x 20 x 5	.83	.66	.502	.357
609511	UVZ1C472MHD	4700	16V	16 x 25 x 7.5	1.49	1.18	.85	.63
607814	UPW1E472MHD	4700	25V	18 x 35 x 7.5	1.55	1.40	1.12	.84
607697	UPW1C822MHD	8200	16V	16 x 33 x 7.5	1.89	1.49	1.15	.86
609473	UVZ1C103MHD	10000	16V	18 x 41 x 7.5	1.95	1.76	1.40	1.05

Note: Above case sizes may have ± tolerances

Panasonic

ECA-M Series

- Miniaturized size version for general purpose use
- Operating temperature range: -40°C to 85°C
- Life: 2,000 hours @ 85°C

NEW
MARKED IN PINK

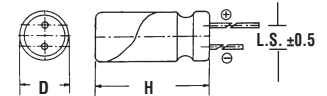


Part No.	Product No.	Voltage	Capacitance Value	Size (mm) D x H x L.S.	Pricing		
					1	5	100
857004	ECA-1VM472	35	4700μF	18 x 3.5 x 7.5	\$2.39	\$1.45	\$1.10

Aluminum Radial-Lead Electrolytic Capacitors

NHG Series

- Life: 1,000 to 2,000 hours @ 105°C
- Oper. temp. range: -55°C to 105°C
- Compact size



Part No.	Product No.	Voltage	Capacitance Value	Size (mm) D x H x L.S.	Pricing		
					1	5	100
856917	ECA-1EHG332B	25	3300μF	16 x 25 x 7.5	\$.98	\$.88	\$.79

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 175.

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
JAMECO HOUSE BRANDS
FACTORY OVERRUN

For more Capacitors visit www.Jameco.com/Passives

Electrolytic Capacitors (Continued)

3 LEVELS OF SAVINGS
FRANCHISE SOURCED JAMECO
GENERIC & NON-FRANCHISED HOUSE BRANDS
FACTORY OVERRUN

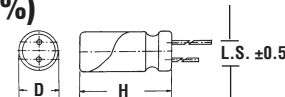
Additional Electrolytic Capacitors are available online at www.Jameco.com/Passives

JAMECO ValuePro

Aluminum Radial-Lead Non-Polarized Electrolytic Capacitors (±20%)



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SG; Panasonic: KA/KS/SU

85°C – General Purpose

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
330941	RN1/50R	1	50V	5 x 11 x 2.0	\$0.21	\$0.159	\$0.085	\$0.075

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
330915	RN10/25	10	25V	5 x 11.5 x 1.5	\$0.28	\$0.243	\$0.194	\$0.146

JAMECO ValuePro

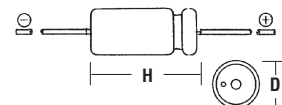
JAMECO EXCLUSIVE

Aluminum Axial-Lead Electrolytic Capacitors (±20%)

General purpose 85°C maximum



Operating temperature range	-40°C to +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2μA, whichever is greater



† CROSS REFERENCES: Elna: RE2; IC: RAR; Marcon: SEM; Nichicon: LB/VX; Rubycon: TWSS; Sprague: 501D/513D; UCC: SME; Panasonic: SU

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H	Pricing			
					1	10	100	500
10868	A1/50R	1	50V	5 x 12	\$0.138	\$0.124	\$0.10	\$0.075
10883	A10/50	10	50V	6 x 12	.20	.164	.119	.088
331425	AB10/450R	10	450V	13 x 25	1.25	1.07	.97	.71
199268	A22J/25R	22	25V	6 x 12.5	.24	.208	.148	.111
331433	AB22/450R	22	450V	16 x 26.5	1.99	1.66	1.51	1.37
199188	A100J/16R	100	16V	6 x 12.5	.39	.351	.281	.211
199284	A100J/25R	100	25V	8 x 15	.23	.20	.174	.136
10913	A100/50R	100	50V	8 x 13	.26	.245	.221	.199
331380	AB100/100R	100	100V	10 x 20.5	.85	.77	.62	.465
331409	AB100/160R	100	160V	16 x 26.5	2.09	1.88	1.50	1.13
331417	AB100/250R	100	250V	16 x 31	2.45	2.09	1.93	1.80
331299	AB150/50	150	50V	10 x 17	.96	.86	.69	.518
199292	A220J/25R	220	25V	8 x 16	.29	.22	.188	.126
11019	A220/50R	220	50V	10 x 17	.35	.29	.25	.21
199217	A470J/16R	470	16V	8 x 17	.35	.315	.252	.189
199313	A470J/25R	470	25V	10 x 17	.45	.39	.29	.25

Note: Above case sizes may have ± tolerances

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H	Pricing			
					1	10	100	500
199381	A470J/35R	470	35V	10 x 21	\$0.50	\$0.45	\$0.36	\$0.27
11123	A470/50R	470	50V	13 x 22	.59	.531	.425	.319
93633	A1000/16R	1000	16V	10 x 21	.72	.62	.51	.383
10956	A1000/25R	1000	25V	10 x 20	.66	.54	.49	.38
93651	A1000/35R	1000	35V	13 x 22	.94	.83	.66	.545
199322	A2200J/25R	2200	25V	16 x 26	1.39	1.23	1.15	1.09
93658	A2200/35R	2200	35V	16 x 30	1.25	1.10	.99	.85
199478	A2200J/50	2200	50V	18 x 33	2.15	1.93	1.54	1.15
93666	A3300/25	3300	25V	16 x 30	1.25	1.14	1.00	.75
199398	A3300J/35	3300	35V	18 x 37	2.69	2.34	1.84	1.38
199487	A3300J/50R	3300	50V	22 x 43	2.49	2.24	1.80	1.35
199232	A4700J/16	4700	16V	16 x 26.5	1.45	1.30	1.04	.78
93675	A4700/25R	4700	25V	16 x 30	1.69	1.52	1.22	.92
199402	A4700J/35R	4700	35V	18 x 40	2.79	2.51	2.01	1.51
158811	A4700A50R	4700	50V	22 x 43	2.79	2.29	2.09	1.79
93683	A10000/16R	10000	16V	16 x 40	2.99	2.75	2.19	1.59

Note: Above case sizes may have ± tolerances

Great Prices on Special Buys from Other Manufacturers

* Prepackaged: please order in increments of 10								
Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm)* D x H	Pricing			
					1	10	100	500
10866	A1/50	1	50V	5 x 13	\$0.20	\$0.18	\$0.144	\$0.108
11076	A4.7/50	4.7	50V	6 x 13	.20	.162	.13	.088
93577	A10/35	10	35V	6 x 13	*	.105	.10	.09
10882	A10/50	10	50V	6 x 12	.193	.162	.118	.086
135319	A47/25	47	25V	8 x 16	.19	.172	.145	.109
11105	A47/50	47	50V	8 x 16	.20	.15	.137	.103
93551	A100/35	100	35V	8 x 16	.24	.192	.173	.144

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm)* D x H	Pricing			
					1	10	100	500
10911	A100/50	100	50V	8 x 20	\$0.24	\$0.225	\$0.203	\$0.183
10954	A1000/25	1000	25V	13 x 31	.60	.538	.43	.323
93649	A1000/35	1000	35V	13 x 26	.48	.437	.431	.388
147256	A1000/50	1000	50V	16 x 31	.72	.62	.491	.41
11033	A2200/16	2200	16V	16 x 40	.87	.78	.62	.465
93673	A4700/25	4700	25V	22 x 39	1.55	1.37	1.19	.89
93681	A10000/16	10000	16V	22 x 51	2.49	2.26	2.04	1.53

* Capacitor dimensions & styles may vary

JAMECO ValuePro

Snap-Mount Large-Can Aluminum Electrolytic Capacitors (±20%)

- Designed as an input filter for switched mode power supply; standard 10mm (0.40") snap-in spacing
- Operating temperature range: (SNA) -40°C to +85°C; (SNB) -40°C to +105°C
- Can-Top safety vent

† CROSS REFERENCES: Aero M: LP/LPR; Elna: LP3/LP4; Illinois Capacitor: LBA/LPR; Mallory: LPX; Marcon: CEAWF; Nichicon: LLK/LLQ; Panasonic: TS-UP/TS-U; Phillips (MEPCO): 3487/3489; Rubycon: RSP; Sprague: 80D/82D; United Chemicon: SMG(VN)/SMH(VN)

JAMECO EXCLUSIVE

Snap-Ins!



Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing		
					1	10	100
203263	SN470/400/5	470	450V	35 x 49 x 9	\$8.79	\$7.60	\$5.69
331901	SNB6800/50R	6800	50V	25.2 x 42.4 x 9	3.25	2.99	2.79
331759	SNA8200/80R	8200	80V	35 x 51 x 9	6.45	5.63	4.83
157738	SN10000/50R	10000	50V	35 x 40 x 12	4.95	4.10	3.99
331716	SNA15000/25R	15000	25V	25 x 41 x 9	2.65	2.35	1.78

Great Prices on Special Buys from Other Manufacturers							
Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm)* D x H	Pricing		
					1	10	100
203254	SN470/400/4	470	400V	35 x 41	\$6.35	\$5.40	\$4.05

* Capacitor dimensions & styles may vary

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Tantalum Capacitors are available online at www.Jameco.com/Passives

JAMECO ValuePro

Resin Dipped Solid Tantalum Capacitors (±10%)

- Operating temp. range: -55°C to +85°C (+125°C with derating)
- Exceptional temperature stability
- Designed for entertainment and commercial equipment
- Rated voltage DC: ≤ +85°C
- Moisture-resistant
- 2.5mm lead spacing = .100" standard
- Low leakage current
- Flame retardant coating

† Cross References: Panasonic: EF Series; AVX: Tap Series; Kemet: T350/ T360; Sprague: 196D and 199D; Matsuo: 202; Mepco: 49GS; NEC: DN; Nichicon: 599; NIC: NDTM; Hitachi: TSD-3

JAMECO EXCLUSIVE



Part No.	Cross Ref. No. †	Value (µF)	Volt. (V)	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
33488	TM.1	.10	35	4.5 x 7 x 2.5	\$.29	\$.20	\$.19	\$.17
545561	TAP104K035SCS	.10	35	4 x 6 x 2.5	.29	.216	.181	.135
332111	TDR0.1/50	.10	50	4.5 x 7 x 2.5	.369	.339	.266	.235
545570	TAP104K050SCS	.10	50	4 x 6 x 2.5	.39	.34	.29	.27
33525	TM.33	.33	35	4.5 x 7 x 2.5	.35	.273	.221	.212
33533	TM.47	.47	35	4.5 x 7 x 2.5	.22	.20	.15	.14
61103	TM.68	.68	35	4.5 x 7 x 2.5	.34	.299	.216	.163
545588	TAP105K025SCS	1	25	4.3 x 7 x 2.5	.28	.25	.23	.21
545596	TAP105K035SCS	1	35	4.3 x 7 x 2.5	.20	.169	.154	.151
154862	TM1/25	1	25	4.5 x 7 x 2.5	.29	.216	.201	.151
33664	TM1	1	35	4.5 x 7 x 2.5	.32	.29	.25	.22
545609	TAP105K050SCS	1	50	4.7 x 7.5 x 2.5	.31	.26	.239	.232
94003	TM2.2/16	2.2	16	4.5 x 7 x 2.5	.26	.228	.192	.144
33736	TM2.2/35	2.2	35	5 x 8 x 2.5	.41	.34	.27	.23
545810	TAP225K035SCS	2.2	35	4.5 x 7 x 2.5	.26	.24	.232	.214
545941	TAP335K025SCS	3.3	25	4.3 x 7 x 2.5	.34	.303	.242	.182
546071	TAP475K025SCS	4.7	25	4.3 x 7 x 2.5	.39	.35	.295	.278
546089	TAP475K035SCS	4.7	35	4.7 x 7.5 x 2.5	.43	.41	.39	.33
546185	TAP685K025SCS	6.8	25	4.7 x 7.5 x 2.5	.52	.45	.36	.298
545617	TAP106K006SCS	10	6.3	4.3 x 7 x 2.5	.36	.311	.28	.21
545625	TAP106K010SCS	10	10	4.7 x 7.5 x 2.5	.43	.284	.266	.238
94062	TM10/16	10	16	5 x 8 x 2.5	.45	.39	.29	.25
545633	TAP106K020SCS	10	20	5.4 x 8 x 2.5	.60	.54	.43	.33
545641	TAP106K025SCS	10	25	5.4 x 8 x 2.5	.59	.53	.43	.31

Part No.	Cross Ref. No. †	Value (µF)	Volt. (V)	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
94080	TM10/25	10	25	5.5 x 9.5 x 2.5	\$.31	\$.265	\$.253	\$.24
545650	TAP106K035SCS	10	35	5.4 x 8 x 2.5	.98	.90	.72	.54
33691	TM10	10	35	5.5 x 11 x 2.5	1.24	1.18	.74	.62
332161	TDR10/50	10	50	8.5 x 13 x 2.5	4.09	3.68	2.96	2.22
545730	TAP156K016SCS	15	16	5.4 x 8 x 2.5	.57	.488	.445	.333
545836	TAP226K006SCS	22	6.3	4.7 x 7.5 x 2.5	.54	.466	.34	.255
545852	TAP226K016SCS	22	16	5.4 x 8 x 2.5	.41	.36	.34	.329
94095	TM22/16	22	16	5.5 x 9.5 x 2.5	.76	.68	.544	.408
545879	TAP226K025SCS	22	25	6 x 9.4 x 2.5	1.75	1.27	1.15	1.08
545887	TAP226K035SCS	22	35	7 x 11 x 2.5	1.75	1.65	1.57	1.24
545975	TAP336K006SCS	33	6.3	5.4 x 8 x 2.5	.36	.306	.245	.184
545991	TAP336K016SCS	33	16	6 x 9.4 x 2.5	1.49	1.25	1.00	.75
546100	TAP476K010SCS	47	10	6 x 9.4 x 2.5	1.29	1.10	1.04	.78
546118	TAP476K016SCS	47	16	6 x 9.4 x 2.5	1.65	1.41	1.33	1.00
94124	TM47/16	47	16	6.5 x 11 x 2.5	2.05	1.64	1.50	1.38
33824	TM47	47	25	9.5 x 16.5 x 2.5	3.69	3.32	2.66	2.00
546126	TAP476K035SCS	47	35	8.2 x 12.5 x 5	6.29	5.59	4.55	4.32
546222	TAP686K016SCS	68	16	7 x 11 x 2.5	1.95	1.69	1.35	1.01
332100	TDR68/25	68	25	9.5 x 16.5 x 2.5	6.85	6.17	4.94	3.71
545668	TAP107K006SCS	100	6.3	6.0 x 9.4 x 2.5	1.65	1.56	1.24	1.18
33702	TM100	100	6.3	8.5 x 13 x 2.5	1.19	1.09	.95	.85
597450	TAP107K016SCS	100	16	7 x 11 x 2.5	4.95	4.46	3.58	2.69
545684	TAP107K020SCS	100	20	8.2 x 12.5 x 2.5	5.25	5.09	4.08	3.06
545895	TAP227K010SCS	220	10	8.2 x 12.5 x 2.5	5.05	4.30	3.85	2.88

Great Prices on Special Buys from Other Manufacturers

Part No.	Cross Ref. No. †	Value (µF)	Volt. (V)	Size (mm) D x H	Pricing			
					1	10	100	500
33486	TM.1/35	.10	35	4.5 x 7	\$.23	\$.225	\$.171	\$.135
33507	TM.22/35	.22	35	4.5 x 7	.27	.237	.184	.137
33523	TM.33/35	.33	35	4.5 x 7	.31	.269	.255	.191
33531	TM.47/35	.47	35	4.5 x 7	.24	.216	.173	.13
154860	TM1/25	1	25	4.5 x 7	.30	.246	.194	.168
33662	TM1/35	1	35	4.5 x 7	.29	.261	.225	.198
94001	TM2.2/16	2.2	16	4.5 x 7	.24	.21	.177	.133
94035	TM4.7/16	4.7	16	5 x 8	.36	.324	.259	.194
94043	TM4.7/25	4.7	25	5 x 8	.36	.322	.271	.203

* Capacitor dimensions and styles may vary

AVX® TAP Series Epoxy Dipped Radial Tantalum Capacitors

NEW MARKED IN PINK

TAP Series is a professional grade device manufactured with a flame retardant coating and featuring low "leakage current and impedance, very small physical size, and exceptional temperature stability". Designed and conditioned to operate up to 125°C. Voltages listed are at 85°C, derate voltage 33% at 125°C.

Case	H	D
A	8.5mm (0.330")	4.5mm (0.180")
B	9.0mm (0.350")	4.5mm (0.180")
C	10.0mm (0.390")	5.0mm (0.200")
D	10.5mm (0.410")	5.0mm (0.200")



TAP Series (Bulk)

* Minimum order 10 pieces

Part No.	Product No.	Case	Value	Voltage	Tolerance	1	10	100
1938463	TAP225K035SCS	B	2.2µF	35	10%	*	\$.319	\$.298
1938439	TAP106K025SCS	C	10µF	25	10%	*	.467	.436
1938471	TAP226K016SCS	D	2.2µF	16	10%	*	.52	.491
1938447	TAP106K035SCS	D	10µF	35	10%	*	.68	.63

KEMET

For Kemet Tantalum Capacitors visit www.Jameco.com - Keyword: Kemet

AVX

For AVX Molded DIP Lead Ceramic Capacitors visit www.Jameco.com - Keyword: AVX

JAMECO ValuePro

Component Cabinet

JAMECO EXCLUSIVE



- Drawer can be divided into 3 sections (clear)
- Wall mountable cabinet (ABS black)
- Cabinet size: 6.0"D x 14.7"W x 7.4"H

Includes: 20 clear plastic drawers, 20 dividers and 30 adhesive I.D. labels

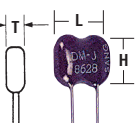
Part No.	Description	1	10	50
319600	Component cabinet	\$15.95	\$13.95	\$12.49

Dipped Silver Mica Capacitors (±5%)

Metallized Polyester Film Capacitors

- Case type: DM15
- Lead Space: 0.23"
- Tolerance: ±5%
- Operating temp. range: -55° to +125°C

QUANTITY SAVE



Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) L x T x H	1	10	100	1000
16037	DM220	22pF	500	11 x 4 x 9	\$.56	\$.50	\$.40	\$.30
16096	DM470	47pF	500	11 x 4 x 9	.46	.414	.331	.248
16002	DM101	100pF	500	11 x 4 x 9	.45	.405	.324	.243
16088	DM331	330pF	500	11 x 4 x 9	.89	.73	.55	.45
16109	DM471	470pF	500	11 x 4 x 9	1.15	1.04	.84	.63

* Capacitor dimensions and styles may vary

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Metallized Film, Mylar, Ceramic & Memory Back-Up Capacitors

Additional Capacitors are available online at www.Jameco.com/Passives

Panasonic® Metallized Film Capacitors (±5%)

V Series – Stacked

- Stacked & non-inductive construction
- Operating temp. range: -40°C to 85°C
- Low dissipation factor: 1% max.
- High volumetric efficiency

NEW
MARKED IN PINK

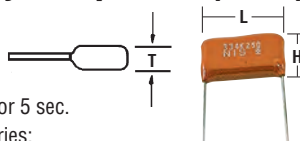
Minimum order 10 pieces

Part No.	Product No.	Value (µF)	Voltage	Dimensions (mm) W x H x Th. x L.S.	Pricing		
					10	100	500
1935369	ECQ-V1H103JL	.01	50	7.3 x 5 x 3.2 x 5	.085	.077	.075
860772	ECQ-V1H683JL	.068	50	7.3 x 5 x 3.6 x 5	.103	.086	.073
920510	ECQ-V1H104JL	.1	50	7.3 x 4 x 5 x 5	.105	.088	.069
920561	ECQ-V1H224JL	.22	50	7.3 x 4.8 x 5.5 x 5	.13	.11	.087
920595	ECQ-V1H474JL	.47	50	7.3 x 6 x 7.3 x 5	.177	.148	.117
1935377	ECQ-V1H105JL	1.0	50	7.3 x 11 x 8 x 5	.316	.295	.279



Metallized Polyester Film Mylar Capacitors (±10%)

- High performance at low cost
- Non-inductive construction
- Operating temp. range: -40°C to +85°C
- Dissipation factor: 0.01 (at 1kHz)
- Dielectric strength: 150% of rated voltage for 5 sec.



† Cross References: Panasonic: ECQ-E Series;

Sprague: DF/450P/451P/453P; Westlake: 160/168/185/167/184/186;

Rubycon: MC/MN; Mepco: 713A1/719A1/C280; TRW: X601PE/ X601CPE;

Packtron: MF/RB; Secor: MMKS/MMKR/MMDR; RIFA: PHE353/ PHE354;

Roederstein: MKT 1818/MKT 1822; WIMA: MKS; CSF Thompson: MD/ MC;

Siemens: B325X-XX; NIC: NEM/NRM; Nichicon: DDXM; Phillips: 712 A1 series

* Minimum order 10 pieces

Part No.	Cross Ref. No. †	Value (µF)	Volt. (V)	Size (mm) * L x T x H	Pricing			
					1	10	100	1000
26833	MY.001	.001	100	7.0 x 3.0 x 7.0	* .101	.068	.053	.053
26884	MY.01	.01	100	6.0 x 3.0 x 7.0	* .13	.096	.091	.091
26905	MY.022	.022	100	6.0 x 3.0 x 10.0	.21	.18	.12	.072
26921	MY.033	.033	100	8.0 x 4.0 x 11.0	* .101	.083	.062	.062
26930	MY.047	.047	100	8.0 x 4.0 x 12.0	.30	.222	.167	.125
135562	MY.1/50	1	50	14.0 x 6.0 x 12.0	* .14	.12	.09	.09
26956	MY.1	.1	100	12.5 x 5.0 x 9.5	.33	.28	.222	.143
93921	MY.1/250	.1	250	12.5 x 5.5 x 10	.29	.20	.168	.146
26972	MY.22	.22	100	12.5 x 5.5 x 10	.23	.21	.132	.099
93964	MY.33/250	.33	250	18.0 x 7.0 x 12.5	.26	.227	.182	.137
26999	MY.47	.47	100	18.0 x 6.0 x 11.5	.33	.29	.27	.23
27001	MY1	1.0	100	18.0 x 7.5 x 14.0	.65	.537	.40	.278
93981	MY1/250	1.0	250	26.0 x 9.0 x 16.0	.53	.38	.33	.25
93999	MY2.2/250	2.2	250	26.0 x 9.0 x 16.0	1.26	1.10	.93	.55

‡ ±20% tolerance * Capacitor dimensions and styles may vary

Memory Back-Up Capacitors

Applications:

- Back-up on CMOS microcomputers, static RAM, DTSs (digital tuning systems)
- Memory back-up of remote controllers

Features: • Small size vs. capacitance • Voltage: 5.5VDC

• Excellent volt. holding characteristics for low back-up currents

Part No.	Cross Ref. No.	Value (F)	Size (mm) L x T x Dia.	1	10	100
142957	MBC1.0/5.5	1.0	—	\$4.49	\$3.80	\$2.85
227811	S5R5V105	1.0	24.2 x 4.3 x 18.0	4.49	3.82	2.87



AVX® Molded DIP Lead Ceramic Capacitor

- DIP package
- Tolerances: 10%, 20%
- Operating temp.: -55°C

Length (L)	6.60mm (0.260")
Height (H1)	3.43mm (0.135")
Height (H2)	4.19mm (0.165")
Thickness	2.54mm (0.098")

NEW
MARKED IN PINK

* Minimum order 10 pieces

Part No.	Product No.	Temp. Coeff.	Value	Volt.	Tolerance	1	10	100
767236	MD015C102KAB	X7R	1000pF	50	20%	.79	.53	.47

♣ This product typically requires two additional days to ship. Please request "ship partial" if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

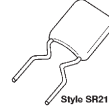
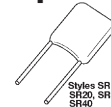
♣ RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 175.

AVX® Radial Ceramic Capacitors

- Conformally coated radial leaded MLC
- Temperature coefficients: NPO, X7R, Z5U
- Case material: epoxy
- Lead material: 24AWG solid copper plated



QUANTITY
SAVE

AVX Style	SR15 (A) Case	SR20/SR21 (B) Case	SR30 (C) Case
Width (W)	3.81mm (0.15")	5.08mm (0.20")	7.62mm (0.30")
Height (H)	3.81mm (0.15")	5.08mm (0.20")	7.62mm (0.30")
Thickness (T)	2.54mm (0.10")	3.175mm (0.125")	3.81mm (0.15")
Lead spacing (L.S.)	2.54mm (0.10")	5.08mm (0.20")	5.08mm (0.20")
Lead dia. (L.D.)	0.508mm (0.02")	0.508mm (0.02")	0.508mm (0.02")

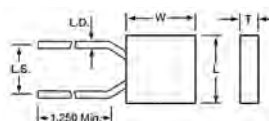
X7R Leaded Case

* Minimum order 10 pieces

Part No.	Product No.	Temp. Coeff.	Value	Volt.	Tolerance	Case	1	10	100
849362	SR155C103KAA	X7R	.01µF	50	10%	A	* .139	.104	.071
767543	SR155C103KAR	X7R	.01µF	50	10%	A	* .071	.069	.069
849522	SR205C104KAA	X7R	.1µF	50	10%	B	* .131	.115	.115
849899	SR215C224KAA	X7R	.22µF	50	10%	B	.52	.442	.332
768175	SR305C474KAR	X7R	.47µF	50	10%	C	1.00	.74	.56
850072	SR305C105KAA	X7R	1µF	50	10%	C	1.02	.86	.72
768141	SR305C105KAR	X7R	1µF	50	10%	C	.74	.71	.69



Ceramic Molded Radial Capacitors



X7R Series

* Minimum order 5 pieces

Part No.	Product No.	Value	Voltage	Size (mm) L x W x H x L.S.	Pricing		
					5	100	1000
1776142	CK05BX220K	22pF	200V	4.83 x 4.83 x 2.29 x 5.08	.253	.238	.238
1776177	CK05BX330K	33pF	200V	4.83 x 4.83 x 2.29 x 5.08	.208	.188	.188
1776097	CK05BX101K	100pF	200V	4.83 x 4.83 x 2.29 x 5.08	.206	.186	.186
1776151	CK05BX221K	220pF	200V	4.83 x 4.83 x 2.29 x 5.08	.206	.186	.186
1776118	CK05BX102K	1000pF	200V	4.83 x 4.83 x 2.29 x 5.08	.23	.192	.192
1776169	CK05BX222K	2200pF	100V	4.83 x 4.83 x 2.29 x 5.08	.206	.186	.186
1776126	CK05BX103K	0.01µF	100V	4.83 x 4.83 x 2.29 x 5.08	.196	.183	.183
1776134	CK05BX104K	0.1µF	100V	7.37 x 7.37 x 2.29 x 5.08	.24	.22	.22
1776185	CK05BX104K	1µF	50V	4.83 x 4.83 x 2.29 x 5.08	.265	.245	.245

JAMECO ValuePro

Ceramic Disc Capacitors (±20%)

25, 50 and 1000 Volt, Z5U Temperature Coefficient

- Operating temp. range: +10°C to +85°C

- Dielectric withstanding voltage: 2.5 times rated volt. for not < 1 sec.

- Cap. change over temp. range: +22 to -56%

JAMECO
EXCLUSIVE



* Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	Value	Voltage (V)	Size (mm) Dia. x L.S.	Pricing					
					1	10	100	1000	5000	10000
332291	CD3.3/1000	3.3pF	1000	5 x 2.5	.24	.216	.184	.148	.111	.111
15335	DC10	10pF	50	5 x 2.5	* .07	.05	.02	.015	.015	.015
332321	CD200/1000	20pF	1000	5 x 2.5	.44	.35	.20	.18	.135	.135
15407	DC22	22pF	50	6 x 2.5	* .078	.07	.056	.042	.042	.042
332217	CD33/50	33pF	50	5 x 2.5	* .069	.062	.049	.037	.037	.037
15512	DC47	47pF	50	5 x 2.5	* .055	.049	.04	.03	.03	.03
15343	DC100	100pF	50	5 x 2.5	* .056	.05	.04	.03	.03	.03
332363	CD120/1000	120pF	1000	5 x 2.5	.23	.206	.147	.081	.06	.06
332371	CD150/1000	150pF	1000	5 x 2.5	.52	.394	.23	.216	.205	.205
332419	CD560/1000	560pF	1000	6 x 2.5	* .047	.043	.034	.025	.025	.025
332436	CD1000/1000	1000pF	1000	5 x 2.5	.39	.248	.179	.101	.095	.095
15192	DC.001	.001µF	50	6 x 2.5	* .067	.06	.048	.036	.036	.036
15231	DC.01	.01µF	50	6 x 2.5	* .067	.045	.033	.029	.029	.029
97377	DC.01/1K20	.01µF	1000	12 x 2.5	.23	.20	.133	.093	.073	.073
332487	CD2000/1000	.02µF	1000	16 x 2.5	.60	.54	.459	.367	.275	.275
15247	DC.022	.022µF	50	8 x 2.5	* .07	.063	.05	.037	.037	.037
15255	DC.047	.047µF	50	8 x 2.5	* .093	.083	.066	.049	.049	.049
332507	CD5000/1000	.05µF	1000	16 x 2.5	1.35	1.28	.81	.65	.488	.488
151118	DC.1/25	.1µF	25	6 x 2.5	.20	.155	.145	.089	.078	.078
15272	DC.1	.1µF	50	8 x 2.5	.25	.20	.174	.154	.126	.126
332516	CD10000/1000	.1µF	1000	21 x 2.5	1.99	1.79	1.52	1.22	.92	.92

Additional Ceramic Capacitors are available online at www.Jameco.com/Passives

Ceramic Disc Capacitors ($\pm 20\%$) (Continued)

25, 50 and 1000 Volt, Z5U Temperature Coefficient

- Operating temp. range: $+10^{\circ}\text{C}$ to $+85^{\circ}\text{C}$
- Dielectric withstanding voltage: 2.5 times rated volt. for not < 1 sec.
- Cap. change over temp. range: $+22$ to -56%



* Prepackaged: please order in increments of 10

Great Prices on Special Buys from Other Manufacturer's

Part No.	Cross Ref. No.	Value	Voltage (V)	Size (mm) Dia.	Pricing				
					1	10	100	1000	5000
15333	DC10	10pF	50	5	*	\$.063	\$.046	\$.018	\$.014
15405	DC22	22pF	50	6	*	.076	.054	.027	.021
15341	DC100	100pF	50	5	*	.05	.035	.025	.02
15413	DC220	220pF	50	5	*	.05	.029	.019	.015
15528	DC470	470pF	50	5	*	.08	.065	.025	.022
15190	DC.001	.001 μF	50	6	*	.06	.054	.043	.032
15211	DC.0047	.0047 μF	50	6	*	.045	.032	.027	.02
15229	DC.01	.01 μF	50	6	*	.06	.04	.03	.02
97375	DC.01/1K20	.01 μF	1000	12	.20	.146	.139	.111	.083
15245	DC.022	.022 μF	50	8	*	.063	.045	.036	.027
15253	DC.047	.047 μF	50	8	*	.084	.076	.06	.045
151116	DC.1/25	.1 μF	25	6	.21	.15	.135	.115	.086
15270	DC.1	.1 μF	50	8	.21	.153	.133	.117	.097

* Capacitor dimensions and styles may vary

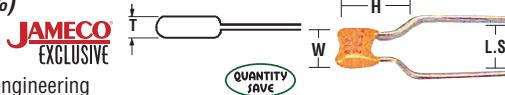
Monolithic Ceramic Capacitors

XR7 Series ($\pm 10\%$)

Applications:

- Data processing
- Communications engineering

Operating temp. range: -10°C to $+85^{\circ}\text{C}$



* Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) WxTxHxL.S.	Pricing				
					1	10	100	1000	5000
332583	MOC100/100	100pF	100	5.0x5.0x3.0x2.5	*	\$.14	\$.12	\$.081	\$.061
332612	MOC470/100	470pF	100	5.0x5.0x3.0x2.5	*	.121	.109	.087	.065
544825	SR151C102KAA	1000pF	100	3.8x2.5x3.8x5.1	*	.10	.067	.045	.043
597281	SR211C103KAA	.01 μF	100	3.8x2.5x3.8x5.1	*	.118	.098	.046	.044
544833	SR151C103KAA	.01 μF	100	3.8x2.5x3.8x5.1	*	.067	.05	.045	.035
332647	MOC10000/100	.01 μF	100	5.0x5.0x3.0x2.5	*	.083	.061	.04	.038
544892	SR211C223KAA	.022 μF	100	3.8x2.5x3.8x5.1	*	.169	.152	.122	.092
332655	MOC22000/100	.022 μF	100	5.0x5.0x3.0x2.5	*	.118	.086	.06	.057
544905	SR211C333KAA	.033 μF	100	3.8x2.5x3.8x5.1	*	.148	.077	.06	.045
544913	SR211C473KAA	.047 μF	100	3.8x2.5x3.8x5.1	*	.142	.139	.11	.107
544921	SR215C104KAA	.1 μF	50	3.8x2.5x3.8x5.1	*	.111	.088	.057	.054
544884	SR211C104KAA	.1 μF	100	3.8x2.5x3.8x5.1	*	.146	.106	.078	.07
332672	MOC100000/100	.1 μF	100	5.0x5.0x3.0x2.5	*	.132	.096	.067	.064
544948	SR305C474KAA	.47 μF	50	3.8x2.5x3.8x5.1	.46	.396	.24	.232	.224

SMT Electrolytic & Ceramic Capacitors

Aluminum Electrolytic Capacitors

Operating Temp. Range: -55°C to $+105^{\circ}\text{C}$

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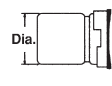
NEW
MARKED IN PINK



Tape



Individual



Side View



Bottom View

Leakage current (20°C) after 2 minutes .01CV or 3 μA

Part No.	Cross Ref. No.†	Value (μF)	Voltage (V)	Dia. (mm)	Pricing			
					1	10	100	500
608796	UUD1V680MCL1GS	68	35	6.3	.34	.306	.245	.184
608711	UUD1V680MNL1GS	68	50	8.0	.53	.477	.382	.287

† Cross Reference: Panasonic: VS Series

For Murata EMI Filters visit www.Jameco.com - Keyword: Murata

Monolithic Ceramic Capacitors (Continued)

Z5U Series ($\pm 20\%$)

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* Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) W x T x H x L.S.	Pricing				
					1	10	100	1000	5000
81543	MD10	10pF	50	3.5x2.0x3.0x2.5	*	\$.10	\$.065	\$.045	\$.035
81535	MD22	22pF	50	4.0x2.0x4.0x2.5	*	.072	.063	.055	.048
332559	MOC33/100	33pF	100	4.2x3.0x4.2x2.5	.25	.167	.122	.08	.076
81519	MD.001	.001 μF	50	4.5x2.0x3.0x2.5	*	.10	.078	.075	.068
25509	MD.01	.01 μF	50	3.5x2.0x3.0x2.5	*	.09	.06	.051	.048
544868	SR151C472KAA	.1 μF	50	3.8x2.5x4.0x2.5	*	.094	.06	.034	.032
25525	MD.1	.1 μF	50	3.4x2.2x3.6x2.5	*	.078	.067	.045	.043
25541	MD.22	.22 μF	50	6.0x2.0x3.0x2.5	.21	.189	.133	.089	.066
544930	SR215C334MAA	.33 μF	50	3.8x2.5x3.8x5.1	.20	.18	.153	.122	.092
25560	MD.47	.47 μF	50	4.5x2.5x4.5x2.5	.43	.387	.329	.263	.197
544956	SR305E105MAA	1 μF	50	3.8x2.5x3.8x5.1	.20	.19	.149	.141	.131
81510	MD1	1 μF	50	6.0x3.0x7.0x2.5	.53	.48	.355	.255	.233

Great Prices on Special Buys from Other Mfrs.

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) W x T x H	Pricing				
					1	10	100	1000	5000
81533	MD22	22pF	50	4.0x2.0x4.0	*	\$.075	\$.054	\$.037	\$.033
81517	MD.001	.001 μF	50	4.5x2.0x3.0	*	.068	.05	.034	.026
25507	MD.01	.01 μF	50	3.5x2.0x3.0	*	.083	.055	.047	.044
57621	MD.047	.047 μF	50	2.5x2.5x3.0	*	.117	.086	.06	.052
25523	MD.1	.1 μF	50	6.0x2.0x4.0	*	.07	.06	.04	.035
25540	MD.22	.22 μF	50	6.0x2.0x4.5	.20	.174	.122	.081	.075
138237	MD.33	.33 μF	50	6.0x2.0x8.0	*	.148	.109	.071	.064
25558	MD.47	.47 μF	50	4.5x2.5x4.5	*	.128	.109	.087	.065
81509	MD1	1 μF	50	6.0x3.0x7.0	.30	.23	.161	.149	.124

* Capacitor dimensions and styles may vary

Motor Running Capacitor

NEW
MARKED IN PINK

- Operating temp.: -25°C to $+85^{\circ}\text{C}$
- Quick connect
- Metal or plastic shell and double welding sheet metal
- Insulation resistance: $>300\text{M}\Omega$



Part No.	Cross Ref. No.	Value (μF)	Voltage (V)	Dimension D x H (mm)	Pricing			
332857	MRC370V25	25	370	40 x 70	\$8.69	\$7.59	\$6.60	\$5.25

For AVX Molded DIP Lead Ceramic Capacitors visit www.Jameco.com

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the products specification pages at www.Jameco.com.

8mm (.315") Thru-Hole Ceramic Trimmer Capacitors

- Working voltage: 250VDC
- Withstand voltage: 550VDC
- Turning torque: 40-200 g-cm
- Operating temperature range: -55°C to $+85^{\circ}\text{C}$
- Insulation resistance: $10\text{M}\Omega$ minimum @ 250VDC
- Q Factor @ 1MHz: P/Ns 134820/32839: >300 ; P/Ns 32855/94466: >200

Ⓢ Blue Part No. = Limited Quantity Available

JAMECO
EXCLUSIVE



Part No.	Capacitance Range (pF)	Color Code	Pricing			
			1	10	100	1000
134820	3.5-13.0	Ivory	\$.81	\$.63	\$.63	\$.514
32839	4.0-34.0	Yellow	1.15	.98	.90	.68
32855	6.0-70.0	None	.84	.78	.71	.61
94466	8.5-120	None	1.05	.97	.79	.66

Additional Ceramic Capacitors are available online at www.Jameco.com/Passives

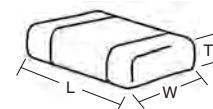
AVX® Multilayer Ceramic Chip Capacitors

NEW
 MARKED IN PINK

QUANTITY
 SAVE

Size	0402 Case Size	0603 Case Size
Length (L)	1.0mm ±0.10mm (0.40" ±0.004")	1.60mm ±0.15mm (0.063" ±0.006")
Width (W)	0.5mm ±0.10mm (0.02" ±0.004")	0.81mm ±0.15mm (0.032" ±0.006")
Thickness (T)	0.5mm ±0.05mm (0.20" ±0.006")	0.80mm ±0.10mm (0.030" ±0.006")
Size	0805 Case Size	1206 Case Size
Length (L)	2.01mm ±0.20mm (0.790" ±0.008")	3.2mm ±0.20mm (0.126" ±0.008")
Width (W)	1.25mm ±0.20mm (0.049" ±0.008")	1.6mm ±0.20mm (0.063" ±0.008")
Thickness (T)	1.25mm ±0.20mm (0.020" ±0.010")	0.5mm ±0.25mm (0.020" ±0.100")
Size	1210 Case Size	1812 Case Size
Length (L)	3.2mm ±0.20mm (0.126" ±0.008)	4.5mm ±0.30mm (0.177" ±0.012")
Width (W)	1.6mm ±0.20mm (0.063" ±0.008")	3.2mm ±0.20mm (0.126" ±0.008")
Thickness (T)	0.5mm ±0.25mm (0.020" ±0.010")	.61mm ±0.36mm (0.24" ±0.014")

Temperature Coefficient:	C0G (NP0) = -55°C to +125°C X5R = -55°C to +85°C X7R = -55°C to +125°C Y5V = -30°C to +85°C Z5U = +10°C to +85°C
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Size 0805

Minimum order 10 pieces

Part No.	Product No.	Temp. Coeff.	Value	Voltage (V)	Tolerance	Pricing	
						10	100
735963	0805A200JAT2A-CT	NPO	20pF	50	5%	\$.073	\$.055
735973	0805A220JAT2A-CT	NPO	22pF	50	5%	.109	.064
735701	0805A330JAT2A	NPO	33pF	100	5%	.013	.012
1929292	0805XD475KAT2A	NPO	4.7µF	50	10%	.226	.211
1929487	0805ZD475KAT2A	X5R	.001µF	10	1%	.098	.091
736149	08055C102JAT2A-CT	X7R	1000pF	50	5%	★	Call/Web
766807	08055C102KAT4A	X7R	1000pF	50	10%	.029	.022
736192	08055C104JAT2AT/R	X7R	0.1µF	50	5%	.139	.124
735832	08053C104KAT2A	X7R	.1µF	25	10%	.016	.012
1929356	08055C102JAT2A	X7R	.001µF	50	5%	.015	.014
1929428	08055C222KAT2A	X7R	.0022µF	50	10%	.015	.014

Size 1206

Minimum order 10 pieces

Part No.	Product No.	Temp. Coeff.	Value	Voltage (V)	Tolerance	Pricing	
						10	100
1929680	12066D226KAT2A	X5R	22µF	6.3	10%	\$.27	\$.252

Size 1210

Minimum order 10 pieces

Part No.	Product No.	Temp. Coeff.	Value	Voltage (V)	Tolerance	Pricing	
						10	100
1929727	1210YD106KAT2A	X5R	10µF	16	10%	\$.245	\$.229

Size 1812

Minimum order 10 pieces

Part No.	Product No.	Temp. Coeff.	Value	Voltage (V)	Tolerance	Pricing	
						10	100
1930373	18121C105KAT2A	X7R	1mF	100	10%	\$.61	\$.57
1930402	18125C474KAT2A	X7R	.47µF	50	10%	.381	.355
1930381	18121C474KAY2A	X7R	.47µF	100	10%	.402	.375

★ Please call or visit our website for minimum order quantity and pricing.

Panasonic For Panasonic Multilayer Chip Capacitors visit www.Jameco.com

Size 0402

Minimum order 10 pieces

Part No.	Product No.	Temp. Coeff.	Value	Voltage (V)	Tolerance	Pricing	
						10	100
1928978	0402ZD104KAT2A	X5R	0.1µF	10	10%	\$.015	\$.015
1928960	0402YD104KAT2A	X5R	0.1µF	16	10%	.012	.012
1928943	04025C471KAT2A	X7R	0.022µF	50	10%	.061	.061

Size 0603

Minimum order 10 pieces

Part No.	Product No.	Temp. Coeff.	Value	Voltage (V)	Tolerance	Pricing	
						10	100
735146	06035A220KAT2A-CT	NPO	22pF	50	10%	\$.062	\$.047
735082	06035A101KAT2A-CT	NPO	100pF	50	10%	★	Call/Web
735103	06035A181JAT2A-CT	NPO	180pF	50	5%	★	Call/Web
1929111	06035A681JAT2A	NPO	680pF	50	5%	.034	.032
1929170	06036D225KAT2A	X5R	2.2µF	6.3	10%	.073	.068
735365	06035C152KAT2A-CT	X7R	1500pF	50	10%	★	Call/Web
735488	06035C472KAT2A-CT	X7R	4700pF	50	10%	★	Call/Web
735568	0603YC104KAT4A-CT	X7R	.1µF	16	10%	★	Call/Web
735007	06033C103KAT2A-CT	X7R	.01µF	25	10%	.039	.035
735322	06035C103JAT2A-CT	X7R	.1µF	50	5%	★	Call/Web
1929031	06033C104KAT2A	X7R	.1µF	25	10%	.016	.013
735656	0603YG104ZAT2A-CT	Y5V	.1µF	16	+80/-20%	.04	.03

★ Please call or visit our website for minimum order quantity and pricing.

Multilayer Ceramic Chip Capacitors

NPO Temp Series (±5%)

Great Prices on Special Buys from Other Mfrs.						
0805 SMT		Pricing per each *				
Part No.	Capacitance	Volt.	10	100	500	1000
650193	680pF	50	\$.16	\$.102	\$.064	\$.044

Great Prices on Special Buys from Other Mfrs.						
1206 SMT		Pricing per each *				
Part No.	Capacitance	Volt.	100	500	1000	5000
544500	100pF	100	\$.20	\$.152	\$.137	\$.11

X5R Series (±10%)

Great Prices on Special Buys from Other Mfrs.						
0805 SMT		Pricing per each *				
Part No.	Capacitance	Volt.	10	100	500	1000
650581	10µF	6.3	\$.414	\$.221	\$.144	\$.111
650492	.47µF	25	.42	.306	.115	.086
1206 SMT		Pricing per each *				
651461	4.7µF	25	\$.41	\$.304	\$.217	\$.146
1210 SMT		Pricing per each *				
651760	47µF	6.3	\$ 2.29	\$ 2.06	\$ 1.65	\$ 1.24

* Please order in quantity increments shown

★ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

SMT Case Dimensions (mm)

	0805	1206	1210
L	2.0	3.2	3.2
W	1.25	1.6	2.5
T	0.065	1.55	1.02
t	0.25	0.5	0.5

X7R Series (±10%)

Great Prices on Special Buys from Other Mfrs.						
0805 SMT		Pricing per each *				
Part No.	Capacitance	Volt.	10	100	500	1000
544331	.01µF	50	\$.075	\$.064	\$.051	\$.038
87372	.1µF	25	.09	.06	.05	.038
544340	.1µF	50	.087	.078	.062	.047

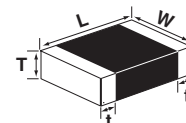
Great Prices on Special Buys from Other Mfrs.						
1206 SMT		Pricing per each *				
Part No.	Capacitance	Volt.	10	100	500	1000
87390	.1µF	50	\$.084	\$.076	\$.061	\$.046
544665	1µF	25	.296	.177	.102	.077
1210 SMT		Pricing per each *				
87329	.01µF	50	\$.081	\$.054	\$.034	\$.024
87388	.1µF	50	.049	.029	.019	.016
651410	.47µF	50	.205	.185	.148	.111
651428	1µF	25	.182	.164	.132	.099

* Please order in quantity increments shown

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Y5V Series (+80%, -20%)

Great Prices on Special Buys from Other Mfrs.						
1206 SMT		Pricing per each *				
Part No.	Capacitance	Volt.	10	100	500	1000
651541	.10µF	50	\$.231	\$.208	\$.166	\$.125

Z5U Series (±20%)

Great Prices on Special Buys from Other Mfrs.						
1206 SMT		Pricing per each *				
Part No.	Capacitance	Volt.	100	500	1000	5000
87222	47µF	50	\$.25	\$.225	\$.198	\$.171

* Please order in quantity increments shown

KEMET Ceramic Chip Capacitors visit www.Jameco.com

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Resin Molded Chip Tantalum Electrolytic Capacitors (±10%)

Case Size (Dimensions in mm)

EIA Case Code	L ±0.2	W ±0.2	H ±0.2	P ±0.3	a ±0.2	h(min)
(7343-31)	7.3	4.3	2.9	1.3	2.4	1.0

16V SMT

Part No.	Capacitance	10	100	500	1000
545449	100µF	\$1.60	\$1.28	\$1.24	\$1.20

35V SMT

Part No.	Capacitance	10	100	500	1000
597388	15µF	\$1.49	\$1.26	\$1.01	\$0.76

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AVX® TAJ Series 125°C Standard Tantalum Chip Capacitors

Operational temperature is -55°C to 85°C at rated voltage and up to 125°C with voltage derated to 33%.

Minimum order 10 pieces

Case	EIA Code	L	W	H	W1	A	S (min.)
A	3216-18	3.2mm (0.126")	1.6mm (0.063")	1.6mm (0.063")	1.2mm (0.047")	0.8mm (0.031")	1.1mm (0.043")
B	3528-21	3.5mm (0.138")	2.8mm (0.110")	1.9mm (0.075")	2.2mm (0.087")	0.8mm (0.031")	1.4mm (0.055")

Part No.	Product No.	Case	Value	Voltage	Tolerance	10	100
1937647	TAJA105K016R	A	1µF	16	10%	★	Call/Web
1937735	TAJA225K016R	A	2.2µF	16	10%	★	Call/Web
1937698	TAJA106K010R	A	10µF	10	10%	★	Call/Web
850849	TAJB106M020R	B	10µF	20	20%	.422	.317

★ Please call or visit our website for minimum order quantity and pricing.

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1/8-Watt Carbon Film Resistor (±5%) Assortment

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	Pricing	
				1	10
108303	ASST1830	★	10 ea. of 24 values marked by ★ and 50 ea. of 6 values marked below by # (540 pcs.)	\$12.95	\$11.49

1/8-Watt Resistor Assortment Values (Ohms)									
10 x	150 x	330 x	680 x	2.0k x	3.3k x	5.6k x	15k x	33k x	470k x
47 x	220 #	390 x	1.0k #	2.2k x	4.7k #	6.8k x	22k x	47k x	1.0M x
100 #	270 x	470 x	1.5k x	2.7k x	5.1k x	10k #	27k x	100k #	1M x

1/4-Watt Carbon Film Resistors, Non-RoHS (±5%)

.021" lead dia. .09" body dia. 1.08" 250° 1.08"

Single Value Resistor Pricing: 1/4-Watt Carbon Film Resistors (±5%)

To order: Use part no. adjacent to ohms in chart below. Values may not be combined for quantity price breaks.

Pricing per Resistor (Sold in bags of 100 pieces)				
Specify Part No. & Resistor Value	1 Bag	10 Bags	50 Bags	100 Bags
(see Standard Resistor Values Chart below)	\$.99	\$.57	\$.49	\$.46

Standard Resistor Values Chart

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
31296	⊕ 51	30568	⊕ 240	29760	⊕ 1.5k	30841	⊕ 33k
60134	⊕ 68	30867	⊕ 330	30277	⊕ 2.0k	30269	⊕ 180k
29946	⊕ 100	31317	⊕ 510	31026	⊕ 4.7k	30613	⊕ 270k
30162	⊕ 150	31624	⊕ 820	31270	⊕ 5.6k	29698	⊕ 1.0M
59424	⊕ 200	29735	⊕ 1.2k	30074	⊕ 12k		

1/4-Watt Carbon Film Resistors RoHS (±5%)

.021" lead dia. 1.08" 250° 1.08" .09" body dia.

Single Value Resistor Pricing: 1/4-Watt Carbon Film Resistors (±5%)

To order: Use part no. adjacent to ohms in chart below. Values may not be combined for quantity price breaks.

Pricing per Resistor (Please order in increments of 100)				
Specify Part No. & Resistor Value	100	500	1000	5000
(see Standard Resistor Values Chart below)	\$.01	\$.009	\$.008	\$.007

Assortment Pricing: 1/4-Watt Carbon Film Resistors (±5%)

Assortments may not be combined for quantity price breaks

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	Pricing		
				1	10	25
10720	ASST8-R	—	5 ea. 70 values (350 pcs.) ★ (every other value from 10Ω - 5.6 MΩ) ★	\$9.95	\$8.95	\$7.95
103166	ASST30-R	● ★	10 ea. 24 values marked ● and 50 ea. 6 values marked ★ (540 pcs.) ★	12.95	11.49	9.95
10664	ASST27-R	▲	100 ea. 27 values marked ▲ (2,700 pcs.) ★	24.95	22.49	20.49
81832	—	—	1/4-watt resistor cabinet kit 30 values, see pg 53 (540 pcs.)	31.59	28.19	25.41

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
690216	⚡ 2.2	690427	⚡ 15	690620 ▲×	⚡ 100	690822 ▲●	⚡ 680	691024 ▲×	⚡ 4.7k	691227 ▲●	⚡ 33k	691420	⚡ 220k	691622	⚡ 1.5M
690224	⚡ 2.4	690435	⚡ 16	690638	⚡ 110	690831	⚡ 750	691032 ▲●	⚡ 5.1k	691235	⚡ 36k	691438	⚡ 240k	691631	⚡ 1.6M
690232	⚡ 2.7	690443	⚡ 18	690646	⚡ 120	690849	⚡ 820	691041 ▲●	⚡ 5.6k	691243	⚡ 39k	691446	⚡ 270k	691892	⚡ 1.8M
690241	⚡ 3.0	690451	⚡ 20	690654	⚡ 130	690857	⚡ 910	691059	⚡ 6.2k	691251	⚡ 43k	691454	⚡ 300k	691649	⚡ 2.0M
690259	⚡ 3.3	690460	⚡ 22	690662 ▲●	⚡ 150	690865 ▲×	⚡ 1.0k	691067	⚡ 6.8k	691260 ▲●	⚡ 47k	691462	⚡ 330k	691657	⚡ 2.2M
690267	⚡ 3.6	690478	⚡ 24	690671	⚡ 160	690873	⚡ 1.1k	691075	⚡ 7.5k	691278	⚡ 51k	691471	⚡ 360k	691665	⚡ 2.4M
690275	⚡ 3.9	690486	⚡ 27	690689	⚡ 180	690881 ●	⚡ 1.2k	691083	⚡ 8.2k	691286	⚡ 56k	691489	⚡ 390k	691673	⚡ 2.7M
690283	⚡ 4.3	690494	⚡ 30	690697	⚡ 200	690890	⚡ 1.3k	691091	⚡ 9.1k	691294	⚡ 62k	691497	⚡ 430k	691681	⚡ 3.0M
690291	⚡ 4.7	690507	⚡ 33	690700 ▲×	⚡ 220	690902 ▲●	⚡ 1.5k	691104 ▲×	⚡ 10k	691307	⚡ 68k	691500 ▲●	⚡ 470k	691690	⚡ 3.3M
690304	⚡ 5.1	690515	⚡ 36	690718	⚡ 240	690911	⚡ 1.6k	691112	⚡ 11k	691315	⚡ 75k	691518	⚡ 510k	691702	⚡ 3.6M
690312	⚡ 5.6	690523	⚡ 39	690726 ▲●	⚡ 270	690929	⚡ 1.8k	691121	⚡ 12k	691323	⚡ 82k	691526	⚡ 560k	691711	⚡ 3.9M
690321	⚡ 6.2	690531	⚡ 43	690734	⚡ 300	690937 ▲●	⚡ 2.0k	691139	⚡ 13k	691331	⚡ 91k	691534	⚡ 620k	691737	⚡ 4.7M
690339	⚡ 6.8	690540 ▲●	⚡ 47	690742 ▲●	⚡ 330	690945 ▲●	⚡ 2.2k	691147 ▲●	⚡ 15k	691340 ▲×	⚡ 100k	691542	⚡ 680k	691745	⚡ 5.1M
690347	⚡ 7.5	690558	⚡ 51	690751	⚡ 360	690953	⚡ 2.4k	691155	⚡ 16k	691358	⚡ 110k	691551	⚡ 750k	691753	⚡ 5.6M
690363	⚡ 8.2	690566	⚡ 56	690769 ●	⚡ 390	690961 ▲●	⚡ 2.7k	691163	⚡ 18k	691366	⚡ 120k	691559	⚡ 820k	691761	⚡ 6.2M
690371	⚡ 9.1	690574	⚡ 62	690777	⚡ 430	690970	⚡ 3.0k	691171 ●	⚡ 20k	691374	⚡ 130k	691577	⚡ 910k	691770	⚡ 6.8M
690380 ▲●	⚡ 10	690582	⚡ 68	690785 ▲●	⚡ 470	690988 ▲●	⚡ 3.3k	691180 ▲●	⚡ 22k	691382	⚡ 150k	691585 ▲●	⚡ 1.0M	691788	⚡ 7.5M
690398	⚡ 11	690591	⚡ 75	690793	⚡ 510	690996	⚡ 3.6k	691198	⚡ 24k	691391	⚡ 160k	691593	⚡ 1.1M	691796	⚡ 8.2M
690401	⚡ 12	690603	⚡ 82	690806	⚡ 560	691008	⚡ 3.9k	691201	⚡ 27k	691403	⚡ 180k	691606	⚡ 1.2M	691809	⚡ 9.1M
690419	⚡ 13	690611	⚡ 91	690814	⚡ 620	691016	⚡ 4.3k	691219	⚡ 30k	691411	⚡ 200k	691614	⚡ 1.3M	691817 ▲●	⚡ 10M

▲ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

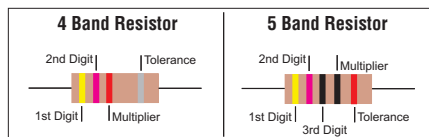
RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

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Resistor Color Code Chart



Band Color	Digit	Multiplier	Tolerance
Black	0	1	—
Brown	1	10	±1%
Red	2	100	±2%
Orange	3	1,000	±3%
Yellow	4	10,000	±4%
Green	5	100,000	—

Band Color	Digit	Multiplier	Tolerance
Blue	6	1,000,000	—
Violet	7	10,000,000	—
Gray	8	100,000,000	—
White	9	—	—
Gold	—	0.1	±5%
Silver	—	0.01	±10%
None	—	—	±20%

1/2-Watt Carbon Film Resistors (±5%)



Single Resistor Value Pricing: 1/2-Watt Carbon Film Resistors (±5%)

To order: Use part number adjacent to ohms in chart below.

Values may not be combined for quantity price breaks.

Pricing Per Resistor (Please order in increments of 100)				
Specify Part No. & Resistor Value	100	500	1000	2000
(see Standard Resistor Values Chart below)	\$.034	\$.023	\$.017	\$.013

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659577	℞ 1.0	659833	℞ 12	661221	℞ 68	661378	℞ 300	661546 ✓X	℞ 1.5k	661693 ✓X	℞ 5.6k	661896	℞ 39k	662194	℞ 680k
659593	℞ 1.2	659850	℞ 15	661239	℞ 75	661386 ✓X	℞ 330	661554	℞ 1.6k	661714 X	℞ 6.8k	661917 ✓X	℞ 47k	662215	℞ 820k
659614	℞ 1.5	659884	℞ 20	661247	℞ 82	661407 X	℞ 390	661562	℞ 1.8k	661731	℞ 8.2k	661933	℞ 56k	662231 ✓X	℞ 1.0M
659631	℞ 1.8	659892	℞ 22	661255	℞ 91	661423 ✓X	℞ 470	661571 ✓X	℞ 2.0k	661757 ✓#	℞ 10k	661950	℞ 68k	662258	℞ 1.2M
659657	℞ 2.2	661124	℞ 27	661263 ✓#	℞ 100	661431	℞ 510	661589 ✓X	℞ 2.2k	661773	℞ 12k	661976	℞ 82k	662311	℞ 2.2M
659673	℞ 2.7	661132	℞ 30	661280	℞ 120	661440	℞ 560	661600 ✓X	℞ 2.7k	661790 ✓X	℞ 15k	661992 ✓#	℞ 100k	662354	℞ 3.3M
659737	℞ 4.7	661141	℞ 33	661301 ✓X	℞ 150	661458	℞ 620	661618	℞ 3.0k	661811	℞ 18k	662039	℞ 150k	662397	℞ 4.7M
659745	℞ 5.1	661167	℞ 39	661327	℞ 180	661466 ✓X	℞ 680	661634 ✓X	℞ 3.3k	661829	℞ 20k	662071	℞ 220k	662477 ✓X	℞ 10M
659770	℞ 6.8	661183 ✓X	℞ 47	661335	℞ 200	661474	℞ 750	661642	℞ 3.6k	661837 ✓X	℞ 22k	662098	℞ 270k		
659796	℞ 8.2	661191	℞ 51	661343 ✓#	℞ 220	661482	℞ 820	661651	℞ 3.9k	661845	℞ 24k	662119	℞ 330k		
659809	℞ 9.1	661204	℞ 56	661351	℞ 240	661503 ✓#	℞ 1.0k	661677 ✓#	℞ 4.7k	661853 X	℞ 27k	662135	℞ 390k		
659817 ✓X	℞ 10	661212	℞ 62	661360 ✓X	℞ 270	661520	℞ 1.2k	661685 ✓X	℞ 5.1k	661870 ✓X	℞ 33k	662151 ✓X	℞ 470k		

(✓), (X), (#) symbols indicate Resistor values included in Assortments above.

Assortment Pricing: 1/2-Watt Carbon Film Resistors (±5%)

Assortments may not be combined for quantity price breaks

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	1	10
107853	ASST1230	X	10 ea. of 24 values marked by X and 50 ea. of 6 values marked by # (540 pcs.)	\$15.69	\$14.17
107845	ASST1227	✓	100 ea. of 27 values marked by ✓ (2,700 pcs.)	34.95	31.49
107837	ASST1270	—	5 ea. of 70 values (every other value from 10Ω - 5.6MΩ)(350 pcs.) (see chart below)	10.95	9.95
107879	CAB12R	—	1/2-watt resistor component cabinet kit - 30 values (540 pcs.), see page 53	29.95	26.95



5-Watt Wirewound Resistors (5%)

Single Value Resistor Pricing: 5-Watt Wirewound Resistors (±5%)

To order: Use part no. adjacent to Ω in chart below. Values may not be combined for quantity price breaks.

Pricing Per Resistor					
Specify Part No. & Resistor Value	1	10	100	500	1000
(see Standard Resistor Values Chart below)	\$.39	\$.294	\$.236	\$.212	\$.189

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659956	0.10	660041	0.47	660201	2.0	660359	8.2	660480	27	660631	120	660789	470	661010	4.7k
659964	0.15	660050	0.50	660244	3.0	660375	10	660498	30	660674	180	660797	500	661028	5.0k
659972	0.20	660092	0.68	660279	4.0	660412	15	660501	33	660682	200	660877	1.0k	661036	10k
659981	0.22	660130	1.0	660287	4.7	660447	20	660551	50	660746	330	660957	2.2k	661044	20k
660017	0.33	660172	1.5	660295	5.0	660455	22	660623	100	660762	390	660990	3.3k	661052	25k
660025	0.39	660199	1.8												



1/8-Watt Resistor Networks (±2%)

- 10-pin SIP
- Operating temp.: -55°C to 125°C
- Common circuit
- Max. working voltage: 100V

Part No.	Product No.	Value (Ω)	1	10	100	500
281017	266-33k	33	.26	.23	.16	.14
280701	266-180	180	.26	.23	.16	.14
280947	266-10k-RC	10k	.24	.204	.168	.149

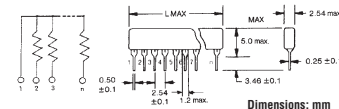
For Xicon Resistors Networks visit www.Jameco.com - Keyword: Xicon

Single-In-Line "SIP" Resistor Networks (±2%)

8 and 10-Pin Bussed (125mW/Resistor) ±2%

Features (8BRN/10BRN):

- 8-pin package (7 resistors) = 8BRN
- 10-pin package (9 resistors) = 10BRN
- Rated power per resistor at 70°C: 125mW/ resistor
- Operating temperature range: -55°C to +125°C
- Resistance temperature coefficient: 200ppm/°C
- Insulation resistance: 10,000MΩ min. at 100V
- Solderability: per MIL-R-83401
- Low profile 5mm (.20" body ht.)
- Low profile is compatible with DIPs
- Cermet thick film construction



Pricing per each			
1	10	100	1000
\$.25	\$.19	\$.15	\$.12
Pricing for P/N 97826			
\$.24	\$.216	\$.173	\$.13

Part No.	Pins	Ohms
97826	8	10k
97851	10	330
97869	10	470
97877	10	1.0k
97893	10	2.2k
24660	10	4.7k
24643	10	10k
98095	10	100k

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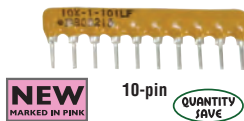
For KOA Metal Film Leaded Resistors visit www.Jameco.com

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Resistor Networks are available online at www.Jameco.com/Passives

Bourns® 4600 Series Conformal SIP Resistor Networks

- Max. operating voltage: 100V
- Dielectric withstanding voltage: 200V_{RMS}
- Operating temp.: -55°C to 125°C
- UL94V-0 flammability rating
- Tolerance: 10Ω to 49Ω: ±1%; 50Ω to 5MΩ: ±2%
- Epoxy resin body • Low profile • Bussed



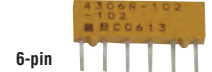
858787: Isolated

Part No.	Product No.	Ohms	Pins	Watts	Minimum order 10 pieces	
					10	100
772676	4606X-101-222LF	2.2k	6	0.75	\$.168	\$.149
772705	4606X-101-472LF	4.7k	6	0.75	.168	.149
1932037	4606X-101-103LF	10k	6	0.75	.134	.127
1932045	4608X-102-103LF	10k	8	1.00	.181	.172
773492	4610X-101-102LF	1k	10	1.25	.33	.269
773505	4610X-101-103LF	10k	10	1.25	.33	.269
1160399	4610X-101-562LF	5.6k	10	1.25	.34	.255
858787	4610X-102-105	1M	10	1.25	.33	.248

Bourns For More Bourns SIP Resistors visit www.Jameco.com – Keyword: Bourns

Bourns® 4300R Series Low-Profile Molded SIP Resistor Networks

- Max. operating voltage: 100V
- Dielectric withstanding voltage: 200V_{RMS}
- Solder coated copper leads
- Operating temperature: -55°C to 125°C
- Tolerance: 2%
- UL94V-0 flammability rating
- Bussed
- Novolac epoxy body



772481/857477: Isolated

Part No.	Product No.	Ohms	Pins	Watts	1	5	100
771753	4306R-101-223	22k	6	0.75	\$.42	\$.347	\$.297
857080	4309R-101-103	10k	9	1.13	.54	.46	.345
772481	4310R-102-222	2.2k	10	1.25	.56	.475	.406
857477	4310R-102-103	10k	10	1.25	.53	.475	.406
772342	4310R-101-391	390	10	1.25	.55	.47	.363
857354	4310R-101-471	470	10	1.25	.55	.465	.349
857389	4310R-101-472	4.7k	10	1.25	.51	.437	.394
857160	4310R-101-103	10k	10	1.25	.55	.465	.349

Dual-In-Line “DIP” Resistor Networks (±2%)

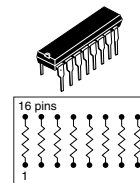
16-Pin Isolated (140mW/Resistor) ±2%

Features (161RN):

- Tolerance: ±2%
- Max. operating voltage: 100V
- Temperature coefficient: ±100ppm/°C
- Operating temp.: -55°C to +125°C
- Insulation res.: 10,000MΩ min.
- Lead solderability/solvent resistance: meets requirements of MIL-R-83401
- Copper leads for excellent heat dissipation
- Power rating at 70°C: 2.25 watts
- Compatible with automatic insertion equipment

SIP and DIP Resistor Network Cross Reference Chart

Jameco	CTS	A – B	Bourns	Dale	Beckman	Sprague	MEPCO
8BRN...	770-81-R...	708A...	4608X-101...	CSC08A01...	L08-1-R...	356CF... X2PD	9S08... GL002
10BRN...	770-101-R...	710A...	4610X-101...	CSC10A01...	L10-1-R...	256CX... X2PD	9S10... GL002
161RN...	761-3-R...	316B...	4116R-001...	MDP16-03...	898-3-R...	916C... X5SR	D16H... 12-J



Pricing per each			
1	10	100	1000
\$.39	\$.35	\$.31	\$.30

Part No.	Ohms
108556	100
108564	220
108572	330
108581	470
108599	1.0k
108610	4.7k
108628	10k

SMT Resistor Arrays & Chip Resistors

0805 Chip Resistor Assortment (±5%)

144 Values, 50 pcs. each;
7,200 pcs. Total

- 1/8 Watt
- Max. overload volt.: 200V
- Weight: 1.9 lbs.
- Case size (2 cases): 10.5”L x 6.7”W x 1.7”T
- Operating temp.: -50°C to 120°C
- Size (mm): 2.0L x 1.25W x 0.5Thick

Includes: Case with labels

Part No.	Cross Ref. No.	1	10	25
172806	16-500	\$.79.95	\$.71.95	\$.64.79

Resistance Value Chart:											
1.2	10	75	430	2.0k	10k	51k	270k	2.2M			
1.6	16	85	470	2.2k	11k	56k	300k	2.4M			
2.2	18	91	510	2.4k	12k	62k	360k	2.7M			
2.4	20	110	560	2.7k	13k	68k	390k	3.0M			
2.7	22	120	620	3.0k	15k	75k	430k	3.3M			
3.0	24	130	680	3.3k	16k	82k	470k	3.6M			
3.3	27	150	750	3.6k	18k	91k	510k	3.9M			
4.3	30	160	820	3.9k	20k	100k	560k	4.3M			
4.7	33	180	910	4.3k	22k	110k	620k	4.7M			
5.1	39	200	1.0k	4.7k	24k	120k	750k	5.1M			
5.6	43	220	1.1k	5.6k	27k	150k	820k	5.6M			
6.2	47	240	1.2k	6.2k	30k	160k	910k	6.8M			
6.8	51	270	1.3k	6.8k	33k	180k	1.0M	7.5M			
7.5	56	300	1.5k	7.5k	36k	200k	1.6M	8.2M			
8.2	62	360	1.6k	8.2k	39k	220k	1.8M	9.1M			
9.1	68	390	1.8k	9.1k	43k	240k	2.0M	10M			

1206 Chip Resistor Assortment (±1%)

56 Values, 200 pcs. each; 11,200 pcs. Total

- Max. working voltage: 200V
- Power: 1/8W
- Operating temperature: -55°C to +125°C
- Temp. coefficient: ±100 ppm/°C
- Resistor dimensions (mm): 3.10L x 1.5 W x 0.55H



Packaged in strips of 200 pcs. each

Part No.	Cross Ref. No.	1	10	25
156882	SMR1206SB	\$.99.99	\$.89.90	\$.79.90

Value Chart (Ohms)					
10	200	3.92k	75k		
12.1	243	4.99k	90.9k		
15	301	6.19k	100k		
20	392	7.5k	121k		
24.3	499	9.09k	150k		
30.1	619	10k	200k		
39.2	750	12.1k	243k		
49.9	909	15k	301k		
61.9	1k	20k	392k		
75	1.21k	24.3k	499k		
90.9	1.5k	30.1k	619k		
100	2k	39.2k	750k		
121	2.43k	49.9k	909k		
150	3.01k	61.9k	1M		



SMT Chip Resistor Array

- Resistance tolerance: ±5% or 5Ω whichever is greater
- Temp. coefficient: 220ppm/°C • Concave termination
- Power: 0.063W per resistor • 8 resistors • Value: 10k
- Max. operating voltage: 50V;
- 1177748: isolated; 16-pins; 6.4mmL x 1.6mmW
- 1178311: bussed; 10-pins; 634mmL x 3.2mmW



Part No.	Product No.	10	25
1177748	742C163103JP	\$.114	\$.107
1178311	745C101103JP	.131	.118



Series 766 SMT Chip Resistor Array

- ±2% or 0.5Ω whichever is greater
- Maximum operating voltage: 50V
- Dielectric strength: 100VAC
- Power: 1W @ 70°C
- Bussed



Part No.	Product No.	1	10	100
1179284	745C101103JP	\$.76	\$.68	\$.62

♣ This product typically requires two additional days to ship. Please request ‘ship partial’ if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an “R” before part number for RoHS version. Details on page 175.

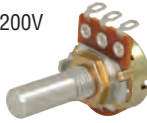
Linear Taper Potentiometers

3 LEVELS OF SAVINGS
FRANCHISE SOURCED **JAMECO** **GENERIC & NON-FRANCHISED** **HOUSE BRANDS** **FACTORY OVERRUN**

Additional Potentiometers are available online at www.Jameco.com/Passives

1/8-Watt 16mm Linear Taper

- Shaft length: 0.531" • Rated volt.: 200V
- Shaft diameter: 0.25"
- Rotational angle: 300° (±5°)
- Rotation life: 15,000 cycles
- Rotational noise: 47mV
- Insulation resistance: >100MΩ @ 500VDC
- Tolerance: <1MΩ (±20%); 1MΩ (±30%)
- Dielectric strength: 500VAC for 1 minute



Qty.	1	10	100	500
Price	\$1.35	\$1.13	\$1.02	\$0.83

Part No.	Product No.	Ohms
286206	RV16AF-10-20R1-B14	10k

1/5-Watt 16mm Linear Taper

- Shaft length: 0.335"
- Shaft diameter: 0.25"
- Rotation angle: 300° (±5°)
- Rotational life: 15,000 cycles
- Rated voltage: 200V
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute



Qty.	1	10	100	500
Price	\$1.35	\$1.13	\$1.04	\$0.95

Part No.	Product No.	Ohms
286249	RV16AF-10-15R1-B13	1k
286257	RV16AF-10-15R1-B2K	2k
286265	RV16AF-10-15R1-B53	5k
286273	RV16AF-10-15R1-B14	10k
286302	RV16AF-10-15R1-B15	100k
286337	RV16AF-10-15R1-B16	1M

1/4-Watt 24mm Audio Taper (±20%)

- Shaft length: 0.335"
- Shaft diameter: 0.25"
- Maximum voltage: 250V
- Terminal type: solder lugs
- Rotational angle: 300° (±5°)
- Insulation resistance: >100MΩ @ 500VDC



Qty.	1	10	100	500
Price	\$1.35	\$1.09	\$0.99	\$0.89

Part No.	Product No.	Ohms
255426	RV24AF-10-15R1-A14	10k
255442	RV24AF-10-15R1-A15	100k
255451	RV24AF-10-15R1-A55	500k

1/2-Watt 24mm Linear Taper with SPST Switch (±20%)

- Shaft length: 0.335"
- Shaft diameter: 0.25"
- Terminal type: solder lugs
- Maximum voltage: 500V
- Switch rating: 125VAC, 1A
- Rotational angle: 300° (±5°)



Qty.	1	10	100	500
Price	\$2.49	\$2.08	\$1.90	\$1.71

Part No.	Product No.	Ohms
263792	RV24A01F-10-15R1-B14	10k
263822	RV24A01-10-15R1-B100K	100k

1/2-Watt 24mm Linear Taper (±20%)



- Rotational angle: 300° (±5°)
- Withstanding voltage for 1 minute: 500VAC
- Max. voltage: 500V • Shaft Dia.: 0.25"

0.335"L shaft; solder lugs

Qty.	1	10	100	500
Price	\$1.35	\$1.09	\$0.99	\$0.89

Part No.	Product No.	Ohms
255477	RV24AF-10-15R1-B52	500
255485	RV24AF-10-15R1-B13	1k
255493	RV24AF-10-15R1-B23	2k
255514	RV24AF-10-15R1-B53	5k
255522	RV24AF-10-15R1-B14	10k
255531	RV24AF-10-15R1-BF4	25k
255549	RV24AF-10-15R1-B54	50k
255557	RV24AF-10-15R1-B15	100k
255565	RV24AF-10-15R1-BF5	250k
255573	RV24A-10-15R1-B55	500k
255582	RV24AF-10-15R1-B16	1M
255600	RV24AF-10-15R1-B26	2M

0.531"L knurled shaft; solder lugs

Qty.	1	10	100	500
Price	\$1.35	\$1.09	\$0.98	\$0.89

Part No.	Product No.	Ohms
264373	RV24AF-10-20K-B52	500
264382	RV24AF-10-20K-B13	1k
264400	RV24AF-10-20K-B23	2k
264401	RV24A-10-20K-B53	5k
264411	RV24AF-10-20K-B14	10k
264429	RV24A-10-20K-B54	50k
264437	RV24AF-10-20K-B15	100k
264445	RV24AF-10-20K-BF5	250k
264453	RV24AF-10-20K-B55	500k
264462	RV24AF-10-20K-B16	1M
264480	RV24AF-10-20K-B26	2M

⊕ Blue Part No. = Limited Quantity Available

1.32"L shaft; solder lugs

Qty.	1	10	100	500
Price	\$1.35	\$1.09	\$0.99	\$0.89

Part No.	Product No.	Ohms
255611	RV24AF-10-40R1-B52	500
255628	RV24A-10-40R1-B13	1k
255645	RV24AF-10-40R1-BF3	2.5k
255653	RV24AF-10-40R1-B53	5k
255662	RV24AF-10-40R1-B14	10k
255688	RV24AF-10-40R1-B54	50k
255696	RV24AF-10-40R1-B15	100k
255709	RV24AF-10-40R1-BF5	250k
255717	RV24AF-10-40R1-B55	500k
255725	RV24AF-10-40R1-B16	1M
255733	RV24AF-10-40R1-B56	5M

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1/2-Watt Linear Taper (±10%)

- Temperature range: -55°C to +125°C
- Non-rotational key, Non-slotted shaft end
- Maximum panel thickness: 0.1875"
- Mounting hole: 0.3125"
- Shaft dia.: 0.25" • Shaft length: 0.50"



Includes: Mounting hardware

Qty.	1	10	100	500
Price	\$0.99	\$0.79	\$0.65	\$0.55

Part No.	Cross Ref.	Ohms	Part No.	Cross Ref.	Ohms
29050	P1K	1k	29103	P100K	100k
29197	P5K	5k	29066	P1MEG	1M
29082	P10K	10k			

Honeywell 2-Watt Linear Taper (±10%)

RV4N Series

- 2W @ 70°C ambient
- Temp. range: -55°C to +120°C
- Non-rotational key
- Mounting hole: 0.375"
- Maximum panel thickness: 0.25"
- Shaft diameter: 0.25" • Shaft length: 0.875"



Includes: Mounting hardware

Qty.	1	10	25	50
Price	\$8.89	\$7.85	\$6.54	\$5.95

Part No.	Product No.	Military No.	Ohms
241568	53C3-100	RV4NAYSD101A	100
241584	53C3-250	RV4NAYSD251A	250
183610	53C3-500	RV4NAYSD501A	500
13936	53C3-1k	RV4NAYSD102A	1k
241613	53C3-2k	RV4NAYSD202A	2k
241621	53C3-2.5k	RV4NAYSD252A	2.5k
13995	53C3-5k	RV4NAYSD502A	5k
13952	53C3-10k	RV4NAYSD103A	10k
241656	53C3-20k	RV4NAYSD203A	20k
241664	53C3-25k	RV4NAYSD253A	25k
95417	53C3-50k	RV4NAYSD503A	50k
13979	53C3-100k	RV4NAYSD104A	100k
241681	53C3-250k	RV4NAYSD254A	250k
241728	53C3-1M	RV4NAYSD105A	1M

2-Watt Linear Taper Wirewound (±20%)

- Temp. range: -10°C to +70°C
- Shaft diameter: 0.25"
- Mounting hole: 0.375"
- Non-rotational key
- Length: 0.825" • Base length: 0.25"



Includes: Mounting hardware

Part No.	Cross Ref. No.	Ohms	1	10	100	500
123960	PT1K	1k	\$4.09	\$3.70	\$3.28	\$2.96
123967	PT5K	5k	3.29	2.96	2.36	1.77

5-Watt Linear Taper Wirewound (±20%)

- Temp. range: -10°C to 70°C
- Shaft diameter: 0.23" (6mm)
- Non-rotational key
- Mounting hole: 0.32"
- Maximum panel thickness: 0.1"
- Shaft length: 0.67"



Includes: Mounting hardware

Part No.	Cross Ref. No.	Ohms	1	10	50	100
140514	PW5B100	100	\$2.79	\$2.51	\$2.00	\$1.51

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

Ⓡ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Potentiometers are available online at www.Jameco.com/Passives

Bourns® 2-Watt 10-Turn Wirewound (±5%)



- Insulation resistance: (500VDC) 1000MΩ min.
- Power rating:
3540 Series: 2W @ 70°C;
3590 Series: 2W @ 40°C
- Absolute min. resistance: 1Ω or 0.1% maximum
- Operating temp. range: +1°C to +125°C

3540S -1 Series, Metal Bushing

Part No.	Product No.	Ohms	1	10	50
183548	3540S-1-502	5k	\$14.35	\$13.59	\$11.91
183521	3540S-1-103	10k	12.99	12.79	12.59

3590S -1 Series, Plastic Bushing

Part No.	Product No.	Ohms	1	10	100
771112	3590S-1-102L	1k	\$9.89	\$9.24	\$8.63
771121	3590S-1-103L	10k	9.89	8.93	8.63
771139	3590S-1-104L	100k	12.85	11.56	11.18

3590S -2 Series, Metal Bushing

Part No.	Product No.	Ohms	1	5	100
855818	3590S-2-502L	5k	\$9.85	\$9.24	\$8.63
771155	3590S-2-103L	10k	9.85	9.24	8.63
771163	3590S-2-203L	20k	9.85	9.24	8.63

Bourns® 1/4" Square, Multi-Turn Trimming (±10%)

- Resistance tolerance: ±10%
- Y-layout solder pins
- Sealed cermet
- 12 turns nominal
- Absolute min. resistance: 1% or 2Ω max.
- Power rating: 0.25W @ 70°C (300V max.)
- Insulation resistance (500VDC): 1,000MΩ min.
- Contact resistance variation: 3% or 3Ω max.

NEW
MARKED IN PINK



3266W Series (Top adjust)

Part No.	Product No.	Ohms	1	10	100
769178	3266W-1-501LF	500	\$2.99	\$2.57	\$2.24
696351	3266W-1-102	1k	3.69	3.23	2.65
696378	3266W-1-104	100k	3.55	2.77	2.47
696440	3266W-1-502	5k	2.89	2.60	2.47
696458	3266W-1-103	50k	2.89	2.60	2.47
696466	3266W-1-504	500k	2.89	2.60	2.47

3266X Series (Side adjust)

Part No.	Product No.	Ohms	1	10	100
696482	3266X-1-103	10k	\$2.89	\$2.37	\$2.24
696491	3266X-1-104	100k	2.89	2.37	2.24
696511	3266X-1-203	20k	2.99	2.46	2.33

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 1-800-831-4242

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

[Details on page 212](#)

1/2-Watt, 3/8" Square, Single-Turn Cermet (±10%)

- Top adjustment
- 1/2 watt linear taper @ 70°C
- PC pins: 0.100" grid (2.54mm)
- Temperature range: -55°C to +125°C
- Sealed to guard against contaminants
- Pin spacing: 0.1" († P/N 43060: 0.2")



Cross Ref. Chart

Equivalent to:

Allen Bradley	E2B
Beckman	72PR
Bourns	3386P
Mecopac	8038
Murata	3104P
Spectrol	63P
VRN	780-12P
Weston	840P

Qty.	1	10	100	500
Price	\$.78	\$.69	\$.61	\$.443

Part No.	Cross Ref.	Ohms	Part No.	Cross Ref.	Ohms
43123	63P500	500	43107	63P50K	50k
42964	63P1K	1k	43027	63P100K	100k
43043	63P2K	2k	43060	63P300K	300k
43078	63P5K	5k	63212	63P500K	500k
43001	63P10K	10k	42981	63P1MEG	1M
43051	63P20K	20k			

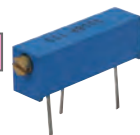
Bourns For More Bourns Potentiometers visit www.Jameco.com

Bourns® 3/4-W, 3/4" Rectangular, Multi-Turn Cermet Trimming Side Adjustment (±10%)

3006P Series - 3/4W, Y Layout Solder Pins

- Resistance tolerance: ±10%
- 15 turns nominal
- Insulation resistance: (500VDC) 1,000MΩ min.
- Contact resistance variation: 1% or 1Ω max.
- Absolute min. resistance: 1% or 2Ω max.
- Power rating: 0.75W @ 70°C (400V max.)

NEW
MARKED IN PINK



Qty.	1	10	50	100
Price	\$1.49	\$1.45	\$1.39	\$1.35

Part No.	Product No.	Ohms
768781	3006P-1-200	20
695990	3006P-1-101LF	100
696044	3006P-1-201	200
696087	3006P-1-501	500
696001	3006P-1-102	1k
696052	3006P-1-202	2k
696095	3006P-1-502	5k
696010	3006P-1-103	10k
696061	3006P-1-203	20k
696108	3006P-1-503	50k
696028	3006P-1-104	100k
696116	3006P-1-504	500k
696036	3006P-1-105	1M

1/4-Watt Miniature Linear (±20%)

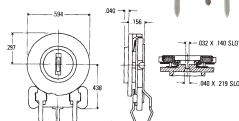
X201 (19/32") Vertical Mount

- 15mm thick
- Volt. rating: 350VDC
- Power rating: below 5kΩ - 1/4 watt @ 40°C; 5kΩ & above - 1/4 watt @ 55°C
- Total rotation: 260° ±5°

Cross Ref. Chart

Equivalent to:
CTS X201R
Bourns 3355X
PIHER PT15

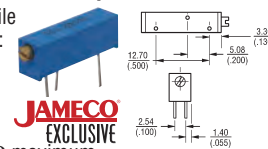
Part No.	Cross Ref. No.	Ohms	1	10	100	500
94714	X201R10K	10k	\$.49	\$.406	\$.364	\$.302
94722	X201R50K	50k	.45	.395	.355	.294
94731	X201R100K	100k	.55	.437	.393	.325



3/4-Watt, 3/4" Rectangular, 15-Turn Cermet Trimming Side Adjustment (±10%)

Bourns 3006P Series Value Equivalents

- Low PC board profile
- Temperature range: -55°C to 125°C
- Absolute minimum res.: 1% or 2Ω
- Contact resistance variation: 1% or 1Ω maximum
- Power rating: 0.75W @ 70°C (400V maximum)



Qty.	1	10	50	100
Price	\$1.05	\$.98	\$.84	\$.71

Part No.	Cross Ref.	Ohms	Part No.	Cross Ref.	Ohms
241234	3006P-101	100	241307	3006P-203	20k
241252	3006P-501	500	241323	3006P-503	50k
241270	3006P-102	1k	241332	3006P-104	100k
241278	3006P-202	2k	241350	3006P-204	200k
241286	3006P-502	5k	241374	3006P-105	1M
241294	3006P-103	10k			

3/4-Watt, 3/4" Rectangular 15-Turn Linear Cermet (±10%)

Qty.	1	10	100	500
Price	\$1.05	\$.99	\$.89	\$.75

Part No.	Cross Ref.	Ohms	Part No.	Cross Ref.	Ohms
41785	43P1K	1k	41873	43P20K	20k
41865	43P2K	2k	41911	43P50K	50k
41890	43P5K	5k	41849	43P100K	100k
41822	43P10K	10k	41806	43P1MEG	1M

1/4-Watt, 1/4" Square Trimming Potentiometers, Top Adjustment (±10%)

Bourns 3266W Series Value Equivalents

- Resistance tolerance: ±10%
- 12 turns nominal
- Insulation resistance: (500VDC) 1,000MΩ min.
- Absolute min. resistance: 1% or 2Ω max. (whichever is greater)
- Contact resistance variation: 3% or 3Ω max. (whichever is greater)
- Power rating: 0.25W @ 70°C (300V max.)

JAMECO
EXCLUSIVE



Qty.	1	10	50	100
Price	\$2.45	\$2.12	\$2.03	\$1.92

Part No.	Cross Ref. No.	Ohms	Part No.	Cross Ref. No.	Ohms
254626	3266W-201	200	254684	3266W-203	20k
254642	3266W-102	1k	254706	3266W-503	50k
254651	3266W-202	2k	254714	3266W-104	100k
254669	3266W-502	5k	254749	3266W-105	1M
254677	3266W-103	10k			

Multi-Turn Trimming Potentiometers

3 LEVELS OF SAVINGS
FRANCHISE SOURCED JAMECO
GENERIC & NON-FRANCHISED HOUSE BRANDS FACTORY OVERRUN

Additional Potentiometers are available online at www.Jameco.com/Passives

Bourns® 1/2-Watt, 1/4" Square, Trimming Pots (±10%)

- Resistance tolerance: ±10%
- Absolute min. res.: 1% or 2Ω
- Adjustment angle: 240° nominal
- Insulation res. (500VDC): 1,000MΩ min.
- Power rating: 0.5W @ 70°C
- Temperature range: -55°C to 125°C



3362H Series — Top Adjustment, Y-Layout

Part No.	Product No.	Ohms	1	10	100
770363	3362H-1-102LF	1k	\$.74	\$.69	\$.64
770371	3362H-1-103	10k	.82	.69	.64

3362P Series — Top Adjust, Y-Layout

Part No.	Product No.	Ohms	1	10	100
854663	3362P-1-102LF	1k	\$.81	\$.67	\$.64
854698	3362P-1-202	2k	.82	.69	.64
854727	3362P-1-503	50k	.81	.68	.57

3362R Series — Top Adjust, Rev. Y-Layout

Part No.	Product No.	Ohms	1	10	100
770451	3362R-1-103LF	10k	\$.81	\$.69	\$.64

1/2-Watt Trimming Pots (±10%)

3362P Series — Linear Taper

- Terminals: solderable pins
- Rotational life: 200 cycles
- Wiper positioning: 50% nominal
- Top adjustment: 240° nominal
- Insulation resistance: 500VDC 1,000MΩ min.
- Absolute minimum resistance: 1% or 2Ω max.
- Contact resistance variation: 1% or 3Ω maximum



Equivalent to:	Equivalent to:
Bourns 3362P	Murata PVC6
Copal CT-6P	Vishay 76

QUANTITY SAVE

Qty.	1	10	100	500
Price	\$.69	\$.62	\$.50	\$.375

Part No.	Cross Ref. No.	Ohms
182810	3362P-501	500
182837	3362P-103	10k

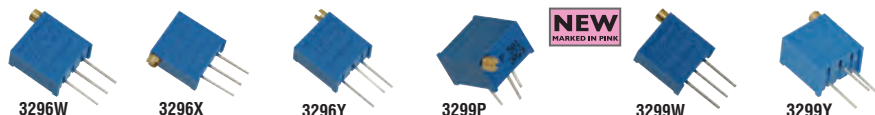
Pocket Trimmer Potentiometer Adjustment Tool

- Glass-filled body
- Stainless steel blade

Part No.	Description	Size	1	10	100
153315	Trimmer tool	5.2"L	\$1.35	\$1.22	\$1.09



Bourns® 1/2-Watt, 3/8" Square, Multi-Turn Trimming Pots (±10%)



- 25 turns nominal
- Resistance tolerance: ±10%
- Temperature range: -55°C to 150°C
- Insulation resistance (500VDC): 1,000MΩ min.

- Power rating: 0.5W @ 70°C (300V max.)
- Absolute min. resistance: 1% or 2Ω max.

QUANTITY SAVE

3296W — Top Adjust, In-Line Solder Pins

Part No.	Product No.	Ohms	1	10	100
853530	3296W-1-101	100	\$2.19	\$1.73	\$1.56
853759	3296W-1-501	500	2.05	1.66	1.57
853556	3296W-1-102	1k	2.05	1.89	1.73
853652	3296W-1-202	2k	2.19	1.94	1.73
853775	3296W-1-502	5k	2.05	1.66	1.57
853572	3296W-1-103	10k	2.05	1.83	1.74
853679	3296W-1-203	20k	2.05	1.66	1.56
853791	3296W-1-503	50k	2.05	1.88	1.73
853599	3296W-1-104	100k	2.15	1.98	1.73
853695	3296W-1-204	200k	2.19	1.98	1.73
853812	3296W-1-504	500k	2.05	1.89	1.73
853610	3296W-1-105	1M	2.05	1.66	1.56

3296X — Side Adjust, In-Line Solder Pins

Part No.	Product No.	Ohms	1	10	100
853871	3296X-1-103	10k	\$2.19	\$1.73	\$1.56
853951	3296X-1-203	20k	2.15	1.72	1.55

3296Y — Top Adjust, Y-Layout Solder Pins

Part No.	Product No.	Ohms	1	10	50
240389	3296Y-1-501	500	\$2.19	\$2.03	\$1.52
240397	3296Y-1-102	1k	2.19	1.98	1.48
1156971	3296Y-1-202LF	2k	2.05	1.61	1.40
240418	3296Y-1-502	5k	2.39	2.22	2.00
240426	3296Y-1-103	10k	1.99	1.85	1.66
1156955	3296Y-1-103LF	10k	2.05	1.66	1.57
240434	3296Y-1-203	20k	2.09	1.78	1.33
240451	3296Y-1-503	50k	2.39	2.22	2.00
240469	3296Y-1-104	100k	1.99	1.85	1.66

3299P — Side Adjust, Y-Layout Solder Pins

Part No.	Product No.	Ohms	1	10	100
1156963	3299P-1-104LF	100k	\$2.05	\$1.66	\$1.57
769573	3299P-1-204	200k	2.19	1.98	1.73

3299W — Top Adjust, In-Line Solder Pins

Part No.	Product No.	Ohms	1	10	50
238553	3299W-1-100	10	\$2.59	\$2.37	\$2.10
183556	3299W-1-102	1k	2.39	2.25	1.99
238617	3299W-1-202	2k	3.45	2.36	1.77
238625	3299W-1-502	5k	2.89	2.64	1.98
238633	3299W-1-203	20k	2.39	2.04	1.53
238650	3299W-1-503	50k	2.39	2.04	1.53
183572	3299W-1-104	100k	2.89	2.68	2.23
854161	3299W-1-204	200k	2.59	2.07	1.83
238676	3299W-1-504	500k	2.69	2.43	2.16
238684	3299W-1-105	1M	2.95	2.51	1.88

3299Y — Top Adjust, Y-Layout Solder Pins

Part No.	Product No.	Ohms	1	10	100
240581	3299Y-1-202	1k	\$2.39	\$2.19	\$1.79
240590	3299Y-1-502	5k	2.59	2.09	1.56
240602	3299Y-1-103	10k	2.89	1.96	1.47

Bourns® 1/2-Watt, 1/4" Round, Trimming Pot (±10%)

3329H Series — Top Adjustment

- Resistance tolerance: ±10%
- Absolute min. res.: 1% or 2Ω
- Adjustment angle: 240° nominal
- Power rating: 0.5W @ 80°C
- Temperature range: -55°C to 150°C
- Insulation res. (500VDC): 1,000MΩ min.



Part No.	Product No.	Ohms	1	10	100
854372	3329H-1-103	10k	\$2.35	\$2.04	\$1.92

1/2-Watt, 3/8" Square, Multi-Turn Trimming Top Adjustment (±10%)

3296Y Series — Y Layout Solder Pins

- 25 turns nominal
- Res. tolerance: ±10%
- Temp. range: -55°C to 150°C
- Power rating: 0.5W @ 70°C (300V max.)
- Absolute min. res.: 1% or 2Ω max.
- Insulation resistance (500VDC): 1,000MΩ min.

NEW MARKED IN PINK



Qty.	1	10	100	500
Price	\$1.85	\$1.68	\$1.47	\$1.33

Part No.	Cross Ref. No.	Ohms
240864	3296Y-503	2M

Bourns For Bourns SMD Trimming Pots visit www.Jameco.com

Bourns® 1/2-Watt, 3/8" Square, Trimming Pots (±10%)

- Insulation resistance (500VDC): 1,000MΩ min.
- Resistance tolerance: ±10%
- Absolute min. resistance: 2Ω max.
- Adjustment angle: 280° nominal
- Power rating: 0.5W @ 85°C (300V max.)
- Temp. range: -55°C to 125°C



3386H — Side Adjust, Rev. Y-Layout Pin

Part No.	Product No.	Ohms	1	10	100
770734	3386H-1-103	10k	\$1.21	\$1.09	\$0.90

3386W — Side Adjust, In-Line Solder Pin

Part No.	Product No.	Ohms	1	10	100
855631	3386W-1-103	10k	\$1.10	\$0.97	\$0.90

3386P — Top Adjust, Y-Layout Solder Pins

Part No.	Product No.	Ohms	1	10	100
855164	3386P-1-101LF	100	\$1.21	\$1.06	\$0.90
855316	3386P-1-201	200	1.09	.99	.90
855480	3386P-1-501	500	1.10	.97	.90
855199	3386P-1-102	1k	1.09	.95	.82
855341	3386P-1-202	2k	1.09	.94	.90
855519	3386P-1-502	5k	1.10	.98	.90
855228	3386P-1-103	10k	1.10	.97	.90
770806	3386P-1-103LF	10k	1.09	.86	.81
855244	3386P-1-104	100k	1.10	.97	.90
855578	3386P-1-504	500k	1.19	.95	.81
855287	3386P-1-105LF	1M	1.09	.98	.90

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Please send your requests to NewProducts@Jameco.com

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product ♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Potentiometers are available online at www.Jameco.com/Passives

1/2-Watt, 1/4" Round, Cermet Pots ($\pm 10\%$)

3329P Series

- Sealed to withstand wave soldering and immersion cleaning process
- Top adjustment • Terminals: solderable pins • TO-5 grid
- Extended temp. range: -55°C to +150°C

Cross Reference Chart

Qty.	1	10	100	500
Price	\$1.89	\$1.59	\$1.29	\$1.19
Part No.	Cross Ref. No.	Ohms		
95441	3329P-502	1k		
95450	3329P-502	5k		
96719	3329P-103	10k		

Equivalent to:	
Beckman	82M
Bourns	3329P
Mecapal	8050
MEC	471
Murata	3321P
Spectrol	62-3
VRN	171
Weston	567

1/2-Watt, 1/4" Round, Cermet Pots ($\pm 10\%$)

Bourns 3329P Series Value Equivalents

- TO-5 grid • Top adjustment • Terminals: solderable pins
- Sealed to withstand wave soldering and immersion cleaning process
- Extended temp. range: -55°C to +150°C

Part No.	Cross Ref. No.	Ohms
254530	3329P-103	10k
254538	3329P-203	20k
254562	3329P-104	100k

Qty.	1	10	50	100
Price	\$1.89	\$1.70	\$1.36	\$1.02

Bourns For Bourns 1/2 Watt Trimming Pots visit www.Jameco.com - Keyword: Bourns

Chokes & Inductors

JAMECO ValuePro

Conformal Coated RF Chokes

J. W. Miller 5300 Series Value Equivalents

- High current and high self-resonant frequency
- Low DCR • Low cost
- Epoxy coated to protect winding from harsh environments

Part No.	Cross Ref. No.	L $\pm 10\%$ (μ H)	Res. Freq. Min. (MHz)	DCR Max. (Ω)	Current Max. (mA)	Pricing
						1 10 100
642492	5300-25	100.0	3.9	0.67	550	\$1.29 \$1.16 \$1.00

J. W. Miller 78F Series Value Equivalents

- High Q and self-resonant frequency
- Dielectric strength: 500V_{RMS}
- Color bands identification
- Operating temp.: -55°C to +105°C
- Overall length: 2.28"
- Low cost
- Low DCR
- Body length: 0.28"
- Body diameter: 0.11"
- Lead length: 1.0"

Part No.	Cross Ref. No.	L $\pm 10\%$ (μ H)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Pricing
						1 10 100
372111	78F1R0	1.0	180	0.15	385	\$.42 \$.357 \$.268
372171	78F100	10.0	22	0.72	130	.25 .124 .101
372197	78F220	22.0	13	1.20	140	.42 .357 .268

* L (μ H) $\pm 5\%$

Epoxy Conformal Coated Chokes

- Operating temperature: -25°C to +85°C
- Size: A = 3.2mm max.; B = 7.0mm max.; C = 0.48 \pm 0.5mm (except P/N 208143: 0.50 \pm 0.05mm); D = 63 \pm 3mm
- Tolerance: 5%

Part No.	L (μ H)	Q (min.)	Test. Freq. (MHz)	Res. Freq. Min. (MHz)	DCR Max. (Ω)	Max. DC Curr. (mA)	Pricing
							1 10 100
208143	10	60	7.96	28.7	1.56	670	\$.49 \$.45 \$.39
208194	100	45	2.52	5.0	4.98	240	.49 .416 .312
208240	1000	45	0.796	1.5	31.3	80	.49 .417 .313

JAMECO ValuePro

Molded RF Chokes

- High Q and high reliability
- Dielectric strength: 1000V_{RMS}
- Injection molded to protect coil from extreme environment
- Color bands or numerical marking for identification
- Ferrite magnetic shielded for low radiation
- Operating temp.: -55°C to +105°C

J. W. Miller 9250 Series Value Equivalents

Part No.	Cross Ref. No.	L $\pm 10\%$ (μ H)	SRF (MHz) (Min.)	DCR Max. (Ω)	I (mA) Max.	Core Material	Pricing
							1 10 100
372533	9250-474	470.0	5.7	9.5	92	Ferrite	\$.85 \$.72 \$.54

JAMECO ValuePro

Axial Leaded RF Chokes

- Inductive tolerance: 10%
- Oper. temp.: -55°C to +125°C
- Size: A = 6.8mm max.; B = 19mm max.; C = 25.0 \pm 2.0mm; D = 0.65mm \pm 0.5mm

J. W. Miller 4600 Series Value Equivalents

Part No.	Cross Ref. No.	L (μ H) @ 1kHz	Q min.	SRF (MHz)	DCR Ω max.	IDC (mA)	Pricing
							1 10 100
642337	4624	15	62	33	0.17	1000	\$.75 \$.68 \$.58
642353	4629	55	72	17	1	500	.75 .68 .58
642388	4632	100	107	12	3	400	1.05 .95 .80

JAMECO ValuePro

High Current Axial RF Chokes

- High current capacity
- Low DCR
- Ferrite bobbin core
- Test frequency: 1kHz

J. W. Miller 5800 Series Value Equivalents

Part No.	Cross Ref. No.	L $\pm 10\%$ (μ H)	DCR Max. (Ω)	DC Current Max. (A)	Pricing
					1 10 100
642601	5800-101	100	0.208	0.632	\$1.44 \$.71 \$.59
642644	5800-221	220	0.43	0.508	1.44 .71 .539
642695	5800-102	1000	2.30	0.200	1.45 .79 .59
642741	5800-103	10,000	26.4	0.05	1.29 .72 .54

J. W. Miller 5900 Series Value Equivalents

Part No.	Cross Ref. No.	L $\pm 10\%$ (μ H)	DCR max. (Ω)	DC Current max. (A)	Pricing
					1 10 100
642767	5900-220	22	0.026	6.07	\$2.59 \$1.26 \$1.06
642791	5900-101	100	0.09	2.79	2.35 1.28 .96
642821	5900-221	220	0.162	1.89	2.35 1.28 .96
642839	5900-271	270	0.208	1.63	2.29 1.55 1.10
642863	5900-471	470	0.38	1.2	2.35 1.28 .96
642880	5900-102	1000	0.844	0.8	2.39 1.28 .96
642898	5900-152	1500	1.18	0.7	2.35 1.20 1.03
642919	5900-682	6800	5.69	0.322	2.09 1.78 1.34
642927	5900-103	10,000	7.3	0.266	1.95 1.66 1.25

JAMECO ValuePro

High-Current Toroid Inductors

- DC - DC converter, EMI filter applications
- Low radiation
- Low core loss
- High current capacity
- Operating temperature: -55°C to +105°C
- V = vertical mount; H = horizontal mount
- See technical datasheets on www.Jameco.com for complete specs.

J. W. Miller 2100 Series Value Equivalents

Part No.	Cross Ref. No.	L (μ H) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing
							1 10 100
371741	2101-V	10.0	10.8	0.006	0.34	0.053	\$1.95 \$1.25 \$.89
371506	2101-H	10.0	10.8	0.006	0.77	0.053	1.69 1.44 1.08
371822	2109-V	47.0	3.6	0.055	0.31	0.027	1.95 1.66 1.25
371848	2111-V	68.0	3.3	0.067	0.31	0.027	1.65 .95 .71
371856	2112-V	100.0	2.4	0.13	0.31	0.022	1.99 1.69 1.27
371611	2112-H	100.0	2.4	0.13	0.74	0.022	1.69 1.04 .74
371872	2114-V	150.0	3.4	0.062	0.35	0.034	1.65 1.20 .97
371638	2114-H	150.0	3.4	0.062	0.79	0.034	1.69 1.44 1.08
371899	2116-V	220.0	2.4	0.12	0.34	0.027	1.79 1.32 1.26
371653	2116-H	220.0	2.4	0.12	0.77	0.027	1.79 1.27 .95
371670	2118-H	330.0	1.7	0.23	0.76	0.022	1.65 .84 .63
371952	2122-V	680.0	1.4	0.33	0.35	0.022	1.89 1.17 .84
371725	2123-H	820.0	1.4	0.37	0.79	0.022	1.65 1.40 1.05
371979	2124-V	1000.0	1.3	0.40	0.37	0.022	1.89 1.05 .79

30-Day Money-Back Guarantee

Complete details on page 175.

Additional Inductors are available online at www.Jameco.com/Passives

J.W. Miller 2200 Series Value Equivalents

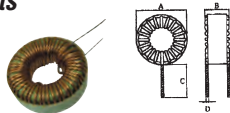
Part No.	Cross Ref. No.	L (μH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing		
							1	10	100
371303	2205-V	22.0	10.3	0.010	0.46	0.053	\$2.25	\$1.29	\$1.16
371346	2209-V	47.0	6.7	0.024	0.45	0.042	2.15	1.26	.95
371371	2212-V	100.0	4.4	0.056	0.44	0.034	2.95	1.82	1.37
371135	2212-H	100.0	4.4	0.056	0.86	0.034	2.15	1.84	1.38
371418	2216-V	220.0	3.6	0.083	0.48	0.034	2.85	2.42	1.82
371178	2216-H	220.0	3.6	0.083	0.90	0.034	2.19	1.26	.95
371434	2218-V	330.0	3.3	0.10	0.48	0.034	2.89	1.64	1.23

J.W. Miller 2300 Series Value Equivalents

Part No.	Cross Ref. No.	L (μH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing		
							1	10	100
386901	2301-V	10.0	20.0	0.005	0.56	0.066	\$2.19	\$1.47	\$1.10
386978	2304-V	18.0	17.2	0.006	0.56	0.066	2.49	2.09	1.75
386521	2308-H	39.0	11.2	0.014	1.14	0.053	2.19	1.47	1.10
387111	2310-V	56.0	10.2	0.017	0.53	0.053	2.19	1.47	1.10
386601	2312-H	100.0	7.0	0.037	1.13	0.042	2.19	1.30	.98
387188	2313-V	120.0	6.7	0.040	0.52	0.042	2.75	1.88	1.41
386679	2315-H	180.0	4.8	0.078	1.12	0.034	2.19	1.47	1.10
387268	2316-V	220.0	5.8	0.054	0.56	0.042	2.19	1.88	1.41
386767	2319-H	390.0	5.0	0.072	1.17	0.042	2.59	2.00	1.50

J.W. Miller 5700 Series Value Equivalents

- Low radiation • Low core loss
- High current capacity
- Size: A = 22.22mm max.; B = 11.09mm max.
C = 15.0±1.0mm; D = 1.2±0.5mm
- See page 134 for EMI suppression cores
- See technical datasheets on www.Jameco.com for complete specifications



Part No.	Cross Ref. No.	L (μH)	IDC max. (A)	L min. @ IDC	Pricing				
					1	10	25	50	100
208259	5701	10	11.0	5	\$4.75	\$4.35	\$4.19	\$3.99	\$3.60
208320	5712	150	4.75	85	5.25	4.50	3.83	3.06	2.30
208291	5705	450	1.5	250	4.65	4.38	4.15	3.69	2.76

For Littelfuse TVS Diode Arrays visit www.Jameco.com - Keyword: Littelfuse

NTC Thermistors

- Typical applications: temperature measurement/control/compensation; power supply fan control; PCB temperature monitoring
- Max. allowable power (@ 250°C): 0.55W
- Thermal dissipation factor: 6.5mW/°C @ 250°C
- Resistance value allowable difference: 10%



Part No.	Cross Ref. No.	Resistance (Ω @ 25°C)	B Constant (25/50°C >10%)	Temp. Coef. @ 25°C (%/°C)	Pricing			
					1	10	100	500
207483	NTC-102	1k	3800	-4.3	\$6.64	\$6.61	\$4.31	\$3.63
207441	NTC-502	5k	3900	-4.4	.59	.53	.424	.318
207037	NTC-103	10k	4100	-4.6	.69	.57	.446	.366
206991	NTC-104	100k	4400	-4.9	.60	.54	.40	.30

LA Series Radial Leaded Varistor

- AC power line applications
- High energy absorption
- UL recognized as "transient voltage surge suppressors"
- Power supplies
- UL recognized as "across-the-line components"

Part No.	Cross Ref. No.	Size (mm)	Max. Ratings (+85°C)		Characteristics at 25°C		Pricing			
			Continuous RMS Volt.	Transient DC Volt.	Max Clamping Volt. @ I _{PK} Value Curr. (8/20μs)	V _{WM} I _{PK} =2.0A	1	10	100	500
34462	V130LA20A	20	130	175	70	340	\$0.59	\$0.53	\$0.424	\$0.318

For Littelfuse High Energy Industrial Varistors visit www.Jameco.com

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product • This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

LA Series Equivalent Radial Leaded Varistors



JAMECO EXCLUSIVE



Part No.	Cross Ref. No.	Size Dia. (mm)	Continuous Voltage V _{M(AC)}	DC V _{M(DC)}	Transient Energy Joules	Maximum Clamping Voltage V _C	I _{PK(A)}	Pricing		
								1	10	100
667059	V130LA20B	20	130	200	140	340	100	\$0.46	\$0.43	\$0.41
667032	V130LA2	7	130	200	17.5	340	10	* .174	* .135	

* Minimum order 10 pieces

LA Series Radial Leaded Varistors

The LA series of transient voltage suppressors are radial-lead varistors (MOV) that are designed to be operated continuously across AC power lines.



* Minimum order 5 pieces

Part No.	Product No.	Size (Dia.) mm	Continuous Voltage V _{M(AC)}	Transient Voltage V _{M(DC)}	Energy Joules	Max. Clamping Voltage V _C	I _{PK(A)}	Pricing		
								1	5	100
1776046	V130LA2	7	130	175	11	340	10	* .163	* .162	
1776054	V150LA10A	14	150	200	45	395	50	* .365	* .327	
1776062	V250LA20A	14	250	330	72	650	50	* .355	* .314	
1776071	V275LA40B	20	275	369	140	680	100	* .436	* .416	
1776089	V420LA20A	14	420	560	90	1120	50	* .40	* .36	

ZA Series Radial Leaded Varistors

The ZA series of transient voltage surge suppressors are radial lead varistors (MOV) designed for use in the protection of low and medium voltage circuits and systems.



* Minimum order 5 pieces

Part No.	Product No.	Size (Dia.) mm	Continuous Voltage V _{M(AC)}	Transient Voltage V _{M(DC)}	Energy Joules	Max. Clamping Voltage V _C	I _{PK(A)}	Pricing		
								1	5	100
1764301	V33ZA1	7	20	26	1.2	65	2.5	* .176	* .161	
1776011	V39ZA6	14	25	31	6	76	10	* .333	* .323	
1776038	V56ZA2	7	35	45	2.3	110	2.5	* .253	* .215	

PC Mount Audio Transformer

- Impedance matching: 10% over frequency range
- Applications: line matching, telephone coupling, pulse trigger, driver, interstage, output, isolation and input
- Size: 5/8"H x 9/32"D x 13/16"L



Part No.	Product No.	Output (mW)	Impedance (Ω)		Primary DC Unbalance	Pricing		
			Primary	Secondary		1	10	100
630459	TY-145P	100	600CT	600CT	15mA	\$3.85	\$3.09	\$2.53

Modem Coupling Transformer

- Insulation resistance: 100MΩ
- Vacuum wax impregnated
- Core type: EI-14
- Hipot tested: 1000VAC
- ±20% impedance matching and DC resistance matching



Part No.	Cross Ref. No.	Impedance (Ω)		Resistance (Ω)		Pricing		
		Primary	Secondary	Primary	Secondary	1	10	100
125357	XFR6006A14	600CT	600CT	65	55	\$1.59	\$1.44	\$1.30

Commercial Customers

Open an account with us to consolidate your monthly billing and save time. 1-800-831-4242

Bourns

For Bourns PTC Resettable Fuses visit www.Jameco.com

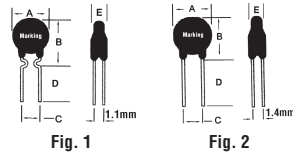
Additional Fuses are available online at www.Jameco.com/Passives



Resettable Fuses

Resettable fuses improve reliability and lower costs. Polymer Positive Temperature Coefficient (PPTC) fuses have provided designers in numerous industries a new tool in their battle to improve product quality and performance. As PPTC fuses are resettable, warranty costs and service calls are largely avoided.

- RA Series**
- Rated voltage: (V_{MAX}): 60V
 - Max. current: (I_{MAX}): 40A
 - Lead length (D): 7.6mm min.
 - Thickness (E): 3.1mm max.



Part No.	Mfg. P/N	Hold Curr. (I _H , A)	Trip Curr. (I _T , A)	Fig.	Size (mm)			Pricing			
					A	B	C	1	10	100	500
199815	RA010-60	0.10	0.20	1	7.4	12.7	5.1	\$.54	\$.49	\$.47	\$.37
199858	RA030-60	0.30	0.60	1	7.4	13.0	5.1	\$.54	\$.49	\$.47	\$.37
199874	RA050-60	0.50	1.00	1	7.9	13.7	5.1	\$.58	\$.55	\$.51	\$.38
199882	RA065-60	0.65	1.30	1	9.7	14.5	5.1	\$.54	\$.495	\$.406	\$.366
199912	RA110-60	1.10	2.20	2	13.0	18.0	5.1	\$.57	\$.55	\$.52	\$.40

Raychem For Raychem Fuses and Holders visit www.Jameco.com

Littelfuse For Littelfuse POLYFUSE® Resettable Fuses visit www.Jameco.com

5mm x 20mm Miniature Low Profile Fuse Holder

- Accepts 5 x 20mm fuses
- 10A @ 250VAC
- Size: 1.4"L x 0.6"Dia.
- D-style mounting hole: 1 ea. 0.5"Dia x .46" flat



Part No.	Description	1	10	100
102832	Fuse holder UL/CSA	\$2.95	\$2.69	\$2.39

In-Line Fuse Holders

- Built-in spring ensures good fuse connection
- Vinyl covered wire with stranded copper center
- Wire color: red; except for P/N 108784 orange



1/4" x 1/4" Standard

Part No.	AWG	Wire Lgths Size(L)	Body Color	1	10	100
109322	22	3.5/3"	2.4" Black	\$.96	\$.93	\$.90
102868	20	3/3"	2.2" White	\$.78	\$.70	\$.58
151918	18	6/6"	2.4" White	1.19	1.02	.78
108783	16	21/26"	2.2" Black	1.49	1.24	1.09
108784	16	21/26"	2.2" Black	1.79	1.52	1.14
108792	14	19/25"	2.5" Black	3.05	2.75	1.99

5mm x 20mm Miniature

Part No.	AWG	Wire Color	Body Size	1	10	100
109330	20	Red	1.8"L	\$.69	\$.56	\$.45

Bussmann Fuse Holder & Clips

HKP Panel Mount Fuse Holders

- Max. panel thickness: 5/16" (7.9mm)
- Body/cap/nut: thermoplastic, UL94 HB • UL/CSA • 250V
- Bayonet type knob • Terminal: tin-plated brass



Part No.	Product No.	Amps	1	10	100
1769807	HKP	30	\$3.35	\$3.13	\$2.98
1769823	HKP-HH-R	15	1.39	1.31	1.19

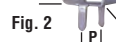
⬆ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Fuse Clips

- Low contact resistance
- Low profile
- Withstands shock/vibration
- Prepackaged: please order in increments of 10

QUANTITY SAVE



Part No.	Description	Fig.	Size (H" x W" x D" x P")	10	100	1000
102860	5mm, front leads	1	.37 x .25 x .21 x .19	\$.162	\$.12	\$.06
102842	1/4", front leads (10A)	2	.32 x .27 x .25 x .23	\$.099	\$.088	\$.066

Panel Mount Fuse Holders

1/4" x 1/4" Standard Thumbscrew Cap

- Straight solder terminal; 10A @ 250VAC

18703



Part No.	Approvals	Size	Mounting Hole	1	10	100	1000
120994	—	1.95"L x .71"Dia. .58"Dia. (Double D-style)		\$.95	\$.83	\$.66	\$.59
18703	UL/CSA	2.05"L x .71"Dia. .58"Dia. x .52"Flat (D-style)		1.59	1.35	1.15	.99

5mm x 20mm Miniature Thumbscrew Cap

- Straight solder terminal • Size: 1.5"L x 0.6"Dia.

Part No.	Approvals	Current	Mounting Hole	1	10	100	1000
150464	—	6A @ 250VAC	.50"Dia. x .43"Flat	\$1.15	\$.98	\$.78	\$.59
102825	UL/CSA	10A @ 250VAC	.50"Dia.	1.25	1.04	.92	.75



Fuse

AGC (3AG) Fast Acting Glass Fuse

- Glass tube, nickel-plated brass endcaps • UL/CSA
- 250V • 1/4" x 1 1/4" • Minimum order 10 pieces

Part No.	Product No.	Amps	1	10	100
1769225	AGC-3-R	3.0	\$.111	\$.22	

KEYSTONE Fuse Holders & Clips

Automotive

- Vertical entry
- Current rating: 30A @ 500VAC
- Dual Fuses: UL9V-0



Part No.	Product No.	Description	1	10	100
1582479	3522-2	Single, brass, tin plated	\$.62	\$.52	\$.41

5mm Fuse Holder

- PC Mount
- Low profile
- Material: nylon, UL9V-0



Part No.	Product No.	Description	10	100
1581871	4527	Holder, 5A @ 250VAC	\$.333	\$.312



Fuse & Fuse Holder

Panel Mount

Traditional Style for 3AG Fuses

- Dielectric strength: 2400V min.
- Knob: bayonet style with lettering
- Molded parts: black thermoplastic, UL94V-0
- Current rating: 20A • Solder terminals
- Terminals: copper & copper alloy, tin plated



Part No.	Product No.	1	10	100
1711681	342012	\$2.79	\$2.61	\$2.17

Subminiature Fuse Holders

No. 560 for TR5®/TE5® Fuses

- PCB Mount, 5.08mm pin spacing
- Terminals: tinned copper alloy
- Electrical rating: 250V, 6.3A, 1.6W
- Holder: thermoplastic UL94V-0, polyester PCT



Part No.	Product No.	1	5	100
1716895	5600000131	\$.52	\$.48	\$.45



Glass & Ceramic Fuses



- 250V • 1.25"L x 0.25"Dia. • UL/CSA/CE

312 Series 3AG Type Fast Acting Glass Fuses

Part No.	Product No.	Amps	1	10	100
652931	312.750HXP	3/4	\$.27	\$.265	\$.257
652949	312001.HXP	1	.25	.21	.19
653010	312005.HXP	5	.28	.263	.25
653028	312006.HXP	6	.28	.26	.25
653036	312007.HXP	7	.28	.26	.25
653044	312008.HXP	8	.362	.351	.341

313 Series 3AG Type Slow Blow Glass Fuses

Part No.	Product No.	Amps	1	10	100
653263	313.010HXP	1/100	\$3.29	\$3.08	\$2.56
653280	313.040HXP	4/100	3.29	3.08	2.56
653298	313.062HXP	1/16	1.69	1.58	1.46
653335	313.187HXP	3/16	1.45	1.38	1.31
653343	313.200HXP	2/10	1.45	1.38	1.31
653511	313003HXP	3	.76	.75	.74

218 Series 5mm x 20mm Time Lag Fuses

- 250V • Body: glass
- UL/CSA/CE
- 5mm x 20mm



Part No.	Product No.	Amps	1	10	100
1709599	218.250HXP	0.25	\$1.20	\$1.11	\$.92
1709708	218002.HXP	2.00	.80	.76	.63

Exclusively at Jameco! Three Levels of Pricing

Blue Shading = Franchise Sourced
 White Shading = Generic & Non-Franchise
 Yellow Shading = Jameco Brands
 Green Shading = Factory Overruns

Additional Crystals are available online at www.Jameco.com/Passives

JAMECO ValuePro 1 1/4" x 1/4" Standard Fuses

Fast Acting Fuses (250V)

AGC/3AG Fuses

• Prepackaged: please order in increments of 10

Part No.	Amps	Cross Ref.	10	100	1000
69404	250mA	AGC-250mA	\$.52	\$.442	\$.332
10410	500mA	AGC-1/2	.22	.20	.15
10373	1A	AGC-1	.341	.205	.188
197528	1.6A	AGC-1.6	.20	.17	.128
10382	2A	AGC-2	.24	.144	.132
69439	3A	AGC-3	.334	.284	.213
197544	4A	AGC-4	.264	.24	.216
10401	5A	AGC-5	.22	.20	.18
197552	6.3A	AGC-6.3	.264	.24	.216
69462	10A	AGC-10	.30	.264	.24
186301	16A	—	.25	.213	.159

Slow Blow Fuses (250V)

MDL/3AG Fuses

Part No.	Amps	Cross Ref.	1	10	100	1000
25654	250mA	MDL-1/4	\$.62	\$.56	\$.446	\$.335
25689	500mA	MDL-1/2	.65	.59	.472	.354
25639	1A	MDL-1	.68	.61	.49	.368
25646	2A	MDL-2	.51	.43	.41	.37
69535	3A	MDL-3	.49	.47	.45	.337
25672	5A	MDL-5	.54	.486	.389	.292
69570	10A	MDL-10	.90	.78	.62	.465

JAMECO ValuePro 5mm x 20mm Mini Fuses

Fast Acting Fuses

(250V) GMA Fuses

• Recommended for new designs
• Prepackaged: please order in increments of 10

Part No.	Amps	Cross Ref.	10	100	500	1000
103887	250mA	GMA-250mA	\$.398	\$.34	\$.24	\$.18
102040	500mA	GMA-500mA	.20	.15	.11	.10
103908	1A	GMA-1	.222	.166	.121	.112
103916	2A	GMA-2	.305	.22	.159	.147
103924	3A	GMA-3	.335	.301	.214	.16
103932	5A	GMA-5	.178	.158	.144	.108

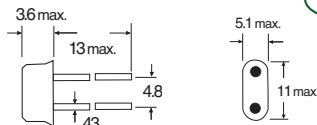
Slow Blow Fuses (250V)

GMD Fuses

Part No.	Amps	Cross Ref.	10	100	1000
197502	500mA	GMD-500mA	\$.353	\$.326	\$.244
197465	1A	GMD-1	.35	.28	.21
197472	2A	GMD-2	.39	.36	.27
197482	3.15A	GMD-3.15	.40	.36	.33
197500	5A	GMD-5	.468	.428	.388

HC49/S Case (Low Profile Crystals)

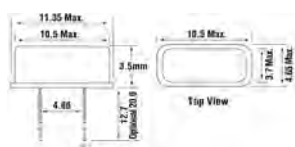
- Frequency range: 3.5 to 70.0MHz
- Operating temperature: -10°C to +60°C
- Drive level: 0.5mW (fundamental frequency)
- Aging: ±5ppm/year max.
- Frequency stability tolerance: ±50ppm



Part No.	Comparable:	Freq. (MHz)	Imped.	Max. Resist.	Pricing
137832	CY4LP	4.000	17pF	120Ω	\$.46 \$.345
137875	CY11.05LP	11.0592	Series	50Ω	1.05 .81
137891	CY16LP	16.000	Series	40Ω	.44 (.33)

JAMECO ValuePro Crystals

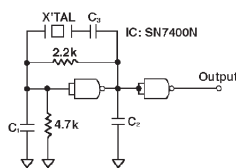
- Frequency calibration tolerance: ±50ppm @ 25°C
- Operating temperature: -10°C to +60°C
- Drive level: 4.0mW maximum
- Shunt capacitance: 7pF maximum
- Freq. stability tolerance: ±50ppm from -10° to +60°C



HC49/US Low Profile Case

JAMECO EXCLUSIVE

HC49/U (HC18/U) Case
Dimensions in millimeters



Application Reference (4-14MHz) (parallel resonance)

- C1: 150-470 pF
- C2: 220-820 pF
- C3: Match crystal impedance

JAMECO ValuePro HC49/US Low Profile Case

Part No.	Frequency (MHz)	Impedance	1	10	100
325201	12.0	20pF	\$.46	\$.42	\$.34
325025	24.0	20pF	.62	.57	.50

JAMECO ValuePro HC49/U (HC18/U) Case

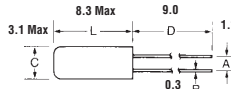
Part No.	Frequency (MHz)	Impedance	1	10	100
324364	4.0	Series	\$.31	\$.284	\$.274
324268	20.0	20pF	.35	.299	.274

Great Prices on Special Buys from Other Mfrs.

Part No.	Frequency (MHz)	Impedance	1	10	100
102613	1.8432	18pF	\$1.19	\$1.10	\$.82
101274	2.4576	32pF	.68	.56	.42
14533	3.579545	18pF	.40	.34	.255
14592	4.0	20pF	.59	.54	.41
14728	8.0	Series	.42	.377	.34
14381	10.0	Series	.79	.69	.59
120061	11.0592	Series	.80	.71	.68
14402	12.0	Series	.80	.68	.50
14517	20.0	Series	.79	.69	.59

Tuning Fork

- Operating temperature range: -10°C to +60°C
- Frequency tolerance: ±50ppm
- Frequency: 32.768kHz
- Drive level: 1mW
- Aging for first year: ±3ppm (max. +25°C)



Part No.	Comparable to:	Imped.	1	10	100	1000
14584	CY32.76	10.5pF	\$.89	\$.79	\$.69	\$.52

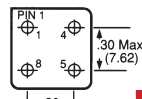
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JAMECO ValuePro TTL Oscillators (Half Can)

Specifications:

- Input voltage: +3.3VDC ±10%
- OSC series oscillators fit into a 14-pin DIP socket P/N 676385, below left
- Frequency stability ±100ppm
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.



JAMECO EXCLUSIVE

Pin #	Function
1	N/C
4	GND
5	Output
8	+5VDC

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	1	10	100
325526	4.0	15mA	10ns	\$1.65	\$1.50	\$1.33
354829	10.0	25mA	5ns	1.99	1.88	1.41
325665	20.0	30mA	10ns	1.65	1.40	1.05
325730	40.0	70mA	5ns	1.65	1.40	1.05

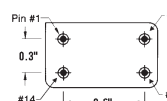
Great Prices on Special Buys from Other Mfrs.

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	1	10	100
325462	1.0	15mA	10ns	\$1.49	\$1.34	\$1.17
325489	1.8432	15mA	10ns	1.65	1.40	1.05
102779	10.0	45mA	6ns	1.75	1.58	1.25

JAMECO ValuePro TTL Oscillators (Full Can)

Specifications:

- Input voltage: +5VDC ±0.5VDC
- OSC series oscillators fit into a 14-pin DIP socket P/N 133006, web
- Frequency stability ±100ppm
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.



Pin #	Function
1	N/C
7	GND
8	Output
14	+5VDC

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	1	10	100
354917	20.0	30mA	10ns	\$1.69	\$1.52	\$1.16

Great Prices on Special Buys from Other Mfrs.

Part No.	Frequency (MHz)	Max. Input Current	Rise Fall Time	1	10	100
27861	1.0	7mA	15ns	\$2.49	\$2.20	\$1.43
27879	1.8432	7mA	15ns	2.39	2.15	1.95
27924	2.0	7mA	15ns	1.29	1.19	1.10
27967	4.0	7mA	10ns	1.99	1.79	1.59
27991	8.0	15mA	15ns	2.39	2.15	1.91
27887	10.0	15mA	10ns	1.99	1.79	1.59
27895	12.0	15mA	10ns	1.75	1.59	1.19
27908	16.0	15mA	10ns	1.49	1.35	1.01
27932	20.0	17mA	10ns	2.15	1.88	1.46
76822	33.0	18mA	6ns	1.99	1.69	1.27
76857	100.0	25mA	3ns	2.49	2.26	1.70

Additional Kits and Refills are available online at www.Jameco.com/Passives

Kits Include the Most Popular Components and a Cabinet with Extra Drawers for Your Customized Expansion



81875 (Capacitor Kit)

Each kit includes a 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319610), 30 adhesive labels for drawers to identify parts in kit, and all the electronic components listed in each kit.

20-drawer component cabinet with every kit!

- Cabinet size: 6.0"L x 15.0"W x 7.9"H
- Cabinet: ABS-Black
- Drawer size: 5.5"L x 2.7"W x 1.5"H
- Weight: 4.6 to 6.4 lbs.
- Cabinet is wall-mountable or free standing

Each Refill Package includes all Electronic Components listed in each kit; each type is separately packaged.



81832 (Resistor Kit)

Need a refill? Just call 1-800-831-4242

Radial Electrolytic Capacitor Kit


Includes 240 pcs. (15 values) $\pm 20\%$ Radial Electrolytic Capacitors

10 each	10 each	20 each	20 each	20 each
100 μ F @ 50V	1000 μ F @ 16V	1 μ F @ 50V	3.3 μ F @ 50V	22 μ F @ 50V
220 μ F @ 25V	2200 μ F @ 25V	1 μ F @ 100V	4.7 μ F @ 50V	47 μ F @ 50V
470 μ F @ 25V	3300 μ F @ 25V	2.2 μ F @ 50V	10 μ F @ 50V	100 μ F @ 25V
Part No.	Description	Wt. (lbs.)	1	10
81867	240 pcs. Radial Capacitor kit	5.3	\$36.25	\$34.35
130331	Refill for 81867 (240pcs.)	0.5	29.99	27.95

SAVE \$6

1/4-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/4-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	1.2kΩ	2.7kΩ	15kΩ	47kΩ	100Ω	4.7kΩ
47Ω	390Ω	1.5kΩ	3.3kΩ	20kΩ	470kΩ	220Ω	10kΩ
150Ω	470Ω	2kΩ	5.1kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	680Ω	2.2kΩ	5.6kΩ	33kΩ	10MΩ		
Part No.	Description			Wt. (lbs.)		1	10
81832	540 pcs. 1/4-watt Resistor kit			4.9	\$31.59		\$28.19
103166	Refill for 81832 (540 pcs.) 			0.2	12.95		11.49

Axial Electrolytic Capacitor Kit

Includes 140 pcs. (10 values) $\pm 20\%$ Axial Electrolytic Capacitors

10 each	10 each	10 each	20 each	20 each
47 μ F @ 50V	220 μ F @ 50V	1000 μ F @ 25V	1 μ F @ 50V	10 μ F @ 50V
100 μ F @ 50V	470 μ F @ 50V	2200 μ F @ 16V	4.7 μ F @ 50V	2.2 μ F @ 50V
Part No.	Description	Wt. (lbs.)	1	10
81875	140 pcs. Axial Capacitor kit	5.3	\$45.55	\$40.98
130340	Refill for 81875 (140pcs.)	0.6	30.45	27.41

SAVE \$13

Mylar Capacitor Kit

Includes 280 pcs. (10 values) 100V $\pm 10\%$ Mylar Capacitors

10 each	10 each	10 each	10 each	100 each
.001 μ F	.022 μ F	.047 μ F	.47 μ F	.01 μ F
.0047 μ F	.033 μ F	.22 μ F	1 μ F	.1 μ F
Part No.	Description	Wt. (lbs.)	1	10
81883	280 pcs. Mylar Capacitor kit	5.1	\$46.89	\$44.45
130358	Refill for 81883 (280pcs.)	0.3	33.95	30.95

SAVE \$18

Dipped Tantalum Capacitor Kit

Includes 150 pcs. (15 values) $\pm 20\%$ Dipped Tantalum Capacitors

10 each	10 each	10 each	10 each	10 each
.1 μ F @ 35V	1 μ F @ 25V	3.3 μ F @ 35V	10 μ F @ 16V	22 μ F @ 16V
.22 μ F @ 35V	1 μ F @ 35V	4.7 μ F @ 35V	10 μ F @ 35V	33 μ F @ 25V
.47 μ F @ 35V	2.2 μ F @ 16V	6.8 μ F @ 35V	15 μ F @ 25V	47 μ F @ 25V
Part No.	Description	Wt. (lbs.)	1	10
81841	150 pcs. Tantalum Capacitor kit	4.8	\$87.95	\$79.95
130260	Refill for 81841 (150 pcs.)	0.3	80.89	76.86

SAVE \$25

Ceramic Disc Capacitor Kit

Includes 520 pcs. (10 values) 50V $\pm 20\%$ Ceramic Disc Capacitors

20 each	20 each	20 each	100 each	100 each
10pF	47pF	470pF	.022 μ F	.01 μ F
22pF	100pF	.001 μ F	.047 μ F	.1 μ F
Part No.	Description	Wt. (lbs.)	1	10
81859	520 pcs. Ceramic Capacitor kit	5.0	\$38.45	\$34.62
130232	Refill for 81859 (520 pcs.)	0.3	23.45	20.95

SAVE \$14

Monolithic Ceramic Capacitor Kit

Includes 280 pcs. (10 values) 50V $\pm 20\%$ Monolithic Ceramic Capacitors

10 each	10 each	10 each	10 each	100 each
22pF	.001 μ F	.047 μ F	.47 μ F	.01 μ F
100pF	.0022 μ F	.22 μ F	1 μ F	.1 μ F
Part No.	Description	Wt. (lbs.)	1	10
171475	280 pcs. Monolithic Capacitor kit	5.0	\$31.15	\$29.25
171483	Refill for 171475 (280pcs.)	0.3	28.89	27.43

SAVE \$5

1/2-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/2-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	1.5kΩ	3.3kΩ	15kΩ	47kΩ	100Ω	4.7kΩ
47Ω	390Ω	2kΩ	5.1kΩ	22kΩ	470kΩ	220Ω	10kΩ
150Ω	470Ω	2.2kΩ	5.6kΩ	27kΩ	1MΩ	1kΩ	100kΩ
270Ω	680Ω	2.7kΩ	6.8kΩ	33kΩ	10MΩ		
Part No.	Description	Wt. (lbs.)				1	10
107879	540 pcs. 1/2-watt Resistor kit	5.1				\$29.95	\$26.95
107853	Refill for 107879 (540 pcs.)	0.4				15.69	14.17

1/2-Watt Single Turn Cermet Pot Kit

See page 47 (63P Series) for photos and specs.

Includes 100 pcs. (10 values) 1/2-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each
63P500 Ω	63P2k Ω	63P10k Ω	63P50k Ω	63P500k Ω
63P1k Ω	63P5k Ω	63P20k Ω	63P100k Ω	63P1M Ω
Part No.	Description	Wt. (lbs.)	1	10
85032	100 pcs. single turn Pot kit	4.9	\$77.95	\$73.45

SAVE \$12

3/4-Watt 15 Turn Cermet Pot Kit

See page 47 (43P Series) for photos and specs.

Includes 100 pcs. (10 values) 3/4-watt Linear Taper Potentiometer

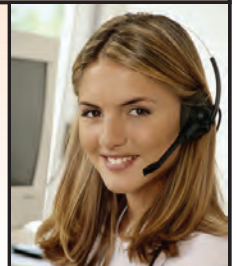
10 each	10 each	10 each	10 each	10 each
43P500 Ω	43P2k Ω	43P10k Ω	43P50k Ω	43P500k Ω
43P1k Ω	43P5k Ω	43P20k Ω	43P100k Ω	43P1M Ω
Part No.	Description	Wt. (lbs.)	1	10
85041	100 pcs. 15 turn Pot kit	4.9	\$89.95	\$79.95

SAVE \$23

Order Anytime, Day or Night!

Our friendly Sales department will assist you 24x7x365 by phone, fax, web or email.

1-800-831-4242



Coaxial, Paired, Multi-Conductor Cable & Hook-Up Wire

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
HOUSE BRANDS
FACTORY OVERRUN

Additional Belden Cable is available online at www.Jameco.com/Belden



Belden Coaxial Cable

75Ω Standard Analog Video Cable

20 AWG solid .032" solid bare copper

- Duofoil® +95% tinned copper braid shield
- Gas injected foam HDPE insulation and PVC jacket
- Nominal capacitance: 53.5pF/m
- Nominal outer diameter: .234"
- Nominal impedance: 75Ω
- Color: black



Part No.	Product No.	Description	1	5	10
734089	1505A-500-10	500' reel	\$214.35	\$192.80	\$183.62



Belden Paired Cable

Belden paired cables allow balanced signal transmission, which results in lower cross talk through common mode rejection. Due to the improved noise immunity of twisted pairs, they generally permit higher data speeds than other multi-conductor cables.

- Chrome PVC jacket
- Tinned copper
- Twisted pairs
- Tinned copper drain wire
- Overall 100% BELDFOIL® shield (for shielded cables)

Audio, Control, and Instrumentation Cable Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polypropylene insulation
- Paper wrap
- Black PVC jacket
- Nominal capacitance: 111pF/m
- Nominal outer diameter: 0.138"



Part No.	Product No.	No. of Pairs	Description	1	5	10
733112	8451-100-10	1	100' reel (black)	\$25.69	\$24.13	\$23.36
734063	8451-U500-10	1	500' unreel box (black)	117.65	106.73	96.97
733139	8451-1000-10	1	1000' reel (black)	190.35	168.93	163.53
734062	8451-U1000-10	1	1000' unreel box (blk)	243.39	233.14	205.95

22 AWG stranded (7 x 30) shielded with 24 AWG stranded TC drain wire

- Polypropylene insulation
- Nominal capacitance: 115pF/m
- Nominal outer diameter: 0.168"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
734180	8723-100-60	2	100' reel	\$37.25	\$34.92	\$33.81
734182	8723-500-60	2	500' reel	183.89	166.84	151.61
734181	8723-1000-60	2	1000' reel	272.65	267.32	262.08
734184	8723-U500-60	2	500' unreel box	139.29	135.09	131.04

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire

- Tinned copper, twisted pair
- Color: chrome
- Polyethylene insulation with chrome PVC jacket
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.222"



Part No.	Product No.	No. of Pairs	Description	1	5	10
734185	8760-100-60	1	100' reel	\$34.99	\$32.49	\$29.99
734187	8760-500-60	1	500' reel	166.29	154.12	145.34

Paired Line Level Analog Audio Cable

14 AWG stranded (19 x 27) shielded with 16 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.355"
- Color: chrome



Part No.	Product No.	Pairs	Description	1	5	10
733172	8720-100-60	1	100' reel	\$69.99	\$65.99	\$60.99



Belden Hook-Up Wire – UL/CSA Dual Rated AWM Styles 1007/1569



Applications: Inter-connection circuits, internal wiring of computer and data processing equipment, appliances & automotive. Appliance Wiring Material is Underwriter Laboratories' recognized covering of insulated wire and cable intended for internal wiring of appliances and equipment.

- Rated 105°C, 300V; 600V peak for electronic circuits and electrical equipment
- Tinned copper
- PVC insulated
- 100' reel

⊗ Blue Part No. = Limited Quantity Available

Product No.	AWG	Stranding	Brown P/N	Red P/N	Orange P/N	Yellow P/N	Green P/N	Violet P/N	Gray P/N	White P/N	Black P/N	Dk Blue P/N	1	5	10
9928-100	28	7 x 34	734602	734603	734604	734605	734606	734608	—	734610	734611	734614	\$19.99	\$16.34	\$14.99
9926-100	26	7 x 32	734502	734503	734504	734505	734506	734508	—	734510	734511	734514	21.35	17.45	16.15
9923-100	24	7 x 32	734402	734403	—	734405	734406	—	—	734410	734411	—	22.45	22.28	21.10
9921-100	22	7 x 30	734302	734303	734304	734305	734306	734308	734309	734310	734311	734314	26.19	25.37	24.55
9919-100	20	7 x 28	734202	734203	734204	734205	734206	734208	734209	734210	734211	734214	33.55	31.87	30.28
9918-100	18	16 x 30	734102	734103	—	734105	734106	—	734109	734110	734111	734114	35.49	28.99	26.49
9916-100	16	26 x 30	734002	734003	734004	734005	734006	734008	734009	734010	734011	734014	53.99	48.96	36.72

Ⓡ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.



Belden Multi-Conductor Cable

Multi-Conductor Audio, Control & Instrumentation Cables Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 75pF/m
- Nominal outer diameter: 0.199"
- Color: chrome



Part No.	Product No.	Conductors	Description	1	5	10
733235	8771-100-60	3	100' reel	\$34.99	\$29.99	\$27.99
733243	8771-500-60	3	500' reel	176.69	167.40	158.13

22 AWG stranded (7 x 30) unshielded

- PVC insulation
- Color: chrome



				8442 Series		
				8443 Series		
				8444 Series		
				8445 Series		
Part No.	Product No.	Conductors	Description	1	5	10

Part No.	Product No.	Conductors	Description	1	5	10
732996	8442-100-60	2	100' reel	\$22.39	\$20.29	\$18.43
733008	8442-500-60	2	500' reel	92.45	87.59	82.73
733016	8442-1000-60	2	1000' reel	163.25	155.97	149.58
734055	8442-U500-60	2	500' unreel box	84.49	75.99	69.99
734054	8442-U1000-60	2	1000' unreel box	172.95	154.76	135.82
733024	8443-100-60	3	100' reel	30.15	28.66	27.25
733032	8443-500-60	3	500' reel	124.19	117.61	111.11
733059	8444-100-60	4	100' reel	38.05	33.15	30.15
733067	8444-500-60	4	500' reel	165.15	145.17	132.19
734059	8444-U500-60	4	500' unreel box	165.45	134.44	124.10
733075	8444-1000-60	4	1000' reel	308.59	294.82	282.75
733083	8445-100-60	5	100' reel	50.15	44.34	37.02
734061	8445-U500-60	5	500' unreel box	199.99	181.80	166.68

20 AWG stranded (7 x 28) shielded with 20 AWG stranded TC drain wire

- Polyethylene insulation and chrome PVC jacket
- Nominal capacitance: 89pF/m
- Nominal outer diameter: 0.218"
- Color: chrome



Part No.	Product No.	Conductors	Description	1	5	10
734253	8772-U1000-60	3	1000' unreel box	\$327.49	\$317.68	\$315.51

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.246"
- Color: chrome



Part No.	Product No.	Conductors	Description	1	5	10
733201	8770-100-60	3	100' reel	\$59.99	\$54.99	\$49.99



Bus Bar Hook-Up Wire

In accordance with performance requirements of Federal Specs. QQ-W343G.

- Solid tinned copper, single conductor
- Nominal outer diameter: 24 AWG – .021"; 22 AWG – .026"; 20 AWG – .033"

Part No.	Product No.	Description	1	5	10
734165	8020-100	20 AWG, 100' reel	\$26.75	\$21.56	\$19.56

Additional Hook-Up Wire is available online at www.Jameco.com/Cable

UL 1430 Stranded Hook-Up Wire

- Temperature rating: 105°C
- Voltage: 300V
- 18/20 AWG
- Average wall thickness: 0.016
- Sold in 100' rolls

Part No.	Gauge	Color	Strands	Dia. (in.)	Dia. (mm)	1	10	25
307918	18	Black	19 x 30	0.082	2.083	\$16.95	\$14.95	\$13.95
307926	18	Red	19 x 30	0.082	2.083	16.95	14.95	13.95
305015	18	Orange	7 x 26	0.082	2.083	14.95	12.95	11.95
304987	20	Gray	7 x 28	0.070	1.778	23.35	21.00	18.90
307897	20	Black	7 x 28	0.070	1.778	14.95	12.95	11.95
307900	20	Red	7 x 28	0.070	1.778	14.95	12.95	11.95



Solid Hook-Up Wire – 22 AWG

- Temperature range: -55°C to +105°C
- Passes UL VW-1 flame test
- MIL-W-16878D type B
- For use with breadboards such as the JE20 series, pg 172

Part No.	Cross Ref. No.	Color	100 ft.	Part No.	Cross Ref. No.	Color	1000 ft.
36768	122BE/C	Blue	\$6.59	36776	122BE/K	Blue	\$59.99
36792	122BK-R/C	Black	6.59	36805	122BK/K	Black	49.99
36822	122G-R/C	Green	6.59	36840	122G/K	Green	49.99
36856	122R/C	Red	8.15	36864	122R/K	Red	49.99
36881	122W-R/C	White	6.59	36899	122W/K	White	49.99
36920	122Y/C	Yellow	6.59	36928	122Y/K	Yellow	49.99



UL 1007 Stranded Hook-Up Wire

300 Volts

- 80°C
- PVC insulation
- Temperature range: -40°C to +80°C
- CSA: TR-64
- Sold in 100' rolls

JAMECO EXCLUSIVE



Part No.	Cross Ref.	AWG	Color	1	5	10
126085	UL1007-22-BK-C	22 (7x30)	Black	\$4.09	\$3.83	\$3.59
126034	UL1007-22-RD-C	22 (7x30)	Red	4.09	3.83	3.59
126077	UL1007-22-WH-C	22 (7x30)	White	7.99	7.49	6.99
310852	UL1007-22-GR-C	22 (7x30)	Green	7.99	7.49	6.99
310878	UL1007-22-YL-C	22 (7x30)	Yellow	7.99	7.49	6.99
125840	UL1007-20-BK-C	20 (10x30)	Black	9.99	9.49	8.99
125795	UL1007-20-RD-C	20 (10x30)	Red	9.99	9.49	8.99
125831	UL1007-20-WH-C	20 (10x30)	White	9.99	9.49	8.99
310894	UL1007-20-GR-C	20 (10x30)	Green	9.99	9.49	8.99
310915	UL1007-20-YL-C	20 (10x30)	Yellow	9.99	8.49	6.37
310922	UL1007-20-BL-C	20 (10x30)	Blue	9.99	9.49	8.99
125787	UL1007-18-BK-C	18 (16x30)	Black	12.99	12.49	11.99
125736	UL1007-18-RD-C	18 (16x30)	Red	12.99	12.49	11.99
125752	UL1007-18-WH-C	18 (16x30)	White	12.99	12.49	11.99
310932	UL1007-18-GR-C	18 (16x30)	Green	12.99	11.04	8.28
310949	UL1007-18-YL-C	18 (16x30)	Yellow	12.99	12.49	11.99
310958	UL1007-18-BL-C	18 (16x30)	Blue	12.99	12.49	11.99

Kynar™ Wire-Wrap Wire – 30 AWG

- Assorted color coded insulation
- Used for prototyping
- Color coded Kynar™ (Polyvinylidene Fluoride) insulation
- Silver plated copper (solid conductor)
- UL 1423
- Temperature: -40°C to +125°C
- Passes UL VW-1 flame test
- Wire wrap tools, pg 160
- See pg 82 for sockets

Part No.	Color	100 ft.	Part No.	Color	1000 ft.
22542	Blue	\$6.09	22551	Blue	\$43.49
22577	Black	6.99	22585	Black	43.49
22631	Red	6.29	22649	Red	43.49
22665	White	6.59	22673	White	43.49
22606	Green	6.29	22614	Green	38.25
22700	Yellow	5.79	22702	Yellow	43.49

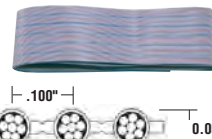


Our goal is to provide you with more of what you want.
Let us know how we can better serve your electronics needs.
Please send your requests to NewProducts@Jameco.com.

.100" (2.54mm) Flat Ribbon Cable

NEW
MARKED IN PINK

- 10-conductor 24 AWG stranded
- Insulation material: 7mm polyvinyl chloride (PVC) gray
- Rated temp.: 105°C
- Rated voltage: 300V
- Dielectric strength: 2kV in 1 min.
- Insulation resistance: 100MΩ
- Capacitance: 31pF/m
- Inductance: 1.45μH/m

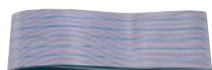


Part No.	Cross Ref.	Length	1	10	25
363813	H24G-10-10	10'	\$10.79	\$10.19	\$9.59
363821	H24G-10-25	25'	19.99	18.99	17.99

Gray Flat Ribbon Cable – 28 AWG

- Single edge red stripe for pin 1 orientation
- Center spacing: 0.05"
- Insulation: polyvinyl chloride (PVC)
- Temp. rating: -20°C to +80°C
- Stranded copper wire
- 28 AWG (7 x 36)
- Prepackaged and priced in increments listed below

JAMECO EXCLUSIVE



Part No.	Cross Ref. No.	Conductors	Length	1	25	50
643793	171-10-10	10	10'	\$2.39	\$2.29	\$2.19
643806	171-10-25	10	25'	5.49	5.25	4.99
643814	171-10-100	10	100' reel	15.19	14.51	13.85
643830	171-16-10	16	10'	3.85	3.68	3.52
643839	171-16-25	16	25'	8.79	8.39	7.99
643857	171-16-100	16	100' reel	23.99	23.37	22.79
643873	171-20-10	20	10'	4.79	4.59	4.39
643881	171-20-25	20	25'	10.99	10.49	9.99
643890	171-20-100	20	100' reel	30.69	27.63	24.86
643910	171-25-10	25	10'	5.99	5.75	5.49
643919	171-25-25	25	25'	13.75	13.15	12.49
643937	171-25-100	25	100' reel	40.45	38.56	36.73
643961	171-26-10	26	10'	6.25	5.99	5.72
643970	171-26-25	26	25'	14.29	13.65	12.99
643988	171-26-100	26	100' reel	34.39	32.67	31.04
644032	171-34-10	34	10'	8.15	7.82	7.48
644040	171-34-25	34	25'	18.69	17.85	16.99
644049	171-34-100	34	100' reel	43.55	41.36	39.29
644075	171-37-10	37	10'	8.89	8.51	8.14
644083	171-37-25	37	25'	15.65	14.89	14.15
644091	171-37-100	37	100' reel	53.95	51.75	38.81
644113	171-40-10	40	10'	10.25	9.16	6.87
644121	171-40-25	40	25'	21.55	19.99	18.99
644130	171-40-100	40	100' reel	57.59	54.71	51.95
644155	171-50-10	50	10'	8.99	8.49	7.99
644163	171-50-25	50	25'	19.35	18.29	17.35
644171	171-50-100	50	100' reel	66.55	63.18	60.03
644198	171-60-10	60	10'	11.99	11.35	10.75
644200	171-60-25	60	25'	26.35	24.99	23.75
644209	171-60-100	60	100' reel	83.09	77.80	58.35

Jameco ValuePro™ Products: A Great Way to Save!

Jameco's ValuePro line of passive, electromechanical and interconnect products are high-quality electronic components and guaranteed to be at the lowest prices you'll find. In fact, if you find a lower print-advertised price, we'll beat it by another 10%, right down to our cost. No more high-priced brand markup... no more costly layers of distribution... no more restrictive franchise agreements that hold minimum prices high. Instead, Jameco cuts out the costly markups and layers of distribution and sells its products direct to you, so you can put the savings back in your wallet!



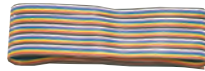
Practical Practices
Money Saving Tips for the Engineer

Additional Cable is available online at www.Jameco.com/Cable

JAMECO ValuePro Multicolor Flat Ribbon Cable – 28 AWG

- Standard 10-color repeat sequence
- Stranded copper wire
- 28 AWG (7 x 36) • Center spacing: 0.05"
- Voltage rating: 300V
- Temperature rating: -20°C to +80°C
- Prepackaged and priced in increments listed below

NEW
MARKED IN PINK



JAMECO
EXCLUSIVE

QUANTITY
SAVE

Part No.	Cross Ref. No.	Conductors	Length	1	25	50
639671	28RC10-10	10	10'	\$3.55	\$3.09	\$2.75
643507	28RC10-25	10	25'	10.19	9.15	8.25
643515	28RC10-100	10	100' reel	28.89	26.37	23.85
643531	28RC16-10	16	10'	5.25	4.99	4.75
643540	28RC16-25	16	25'	16.29	14.75	13.29
643558	28RC16-100	16	100' reel	52.19	46.95	42.26
643574	28RC20-10	20	10'	8.25	7.75	7.25
643582	28RC20-25	20	25'	16.99	15.49	13.99
643590	28RC20-100	20	100' reel	65.25	58.70	52.83
643611	28RC25-10	25	10'	9.35	8.89	8.39
643620	28RC25-25	25	25'	22.99	21.84	16.38
643638	28RC25-100	25	100' reel	59.99	56.99	54.15
643654	28RC34-10	34	10'	10.99	10.49	9.99
643662	28RC34-25	34	25'	22.99	20.99	19.99
643670	28RC34-100	34	100' reel	89.55	85.08	80.82
643697	28RC40-10	40	10'	15.49	13.99	12.49
643700	28RC40-25	40	25'	49.49	36.49	27.37
643718	28RC40-100	40	100' reel	105.99	101.99	98.99
643734	28RC50-10	50	10'	17.99	15.99	14.49
643742	28RC50-25	50	25'	50.99	45.49	40.99
643750	28RC50-100	50	100' reel	163.15	146.75	132.11

JAMECO ValuePro Multiconductor Shielded Computer Communication Cable – 24 AWG

- Stranded copper wire, multi-colored insulation
- Insulated with polyvinyl chloride (PVC)
- Voltage rating: 300V • Color: gray • Drain wire
- 24 AWG (7 x 32 AWG) • Shielded 100% w/ aluminum mylar
- Prepackaged and priced in increments listed below

JAMECO
EXCLUSIVE



Part No.	Cross Ref. No.	Conductors	Diameter	Length (ft.)	1	25
644391	SC4-100	4	0.20"	100	\$23.65	\$22.48
644404	SC4-1000	4	0.20"	1000	167.99	159.59
644412	SC9-25	9	0.23"	25	16.29	12.22
644421	SC9-100	9	0.23"	100	39.55	37.57
644439	SC9-1000	9	0.23"	1000	337.45	320.61
644447	SC15-25	15	0.28"	25	22.89	22.13
644455	SC15-100	15	0.28"	100	58.75	55.86
644463	SC15-1000	15	0.28"	1000	515.99	490.19
644471	SC25-25	25	0.37"	25	22.25	16.69
644480	SC25-100	25	0.37"	100	85.19	80.94

JAMECO ValuePro Twisted Paired Cable – 24 AWG

- PVC insulation
- Use for hook-up wire
- Stranded tinned wire (7 x 32)
- Reduced EMI
- 80°C
- 300 V



Part No.	Cross Ref. No.	Color	100 ft.	Part No.	Cross Ref. No.	Color	1000 ft.
173164	224BW/C	Black/white	\$7.99	173172	224BW/K	Black/white	\$69.95
105912	224GW/C	Grn/white	7.99	105807	224GW/K	Grn/white	69.95
				173156	224RW/K	Red/white	69.95

JAMECO ValuePro Modular Telephone Cable – 28 AWG

- Color coded conductors
- Flat modular cable
- PVC jacket
- 7 x 43 stranded
- Gray

JAMECO
EXCLUSIVE



Part No.	Cross Ref. No.	Conductors	Length (ft.)	1	25	50
644674	300-840SL-1000	4	1000	\$46.69	\$37.37	\$35.75
644691	300-860SL-100	6	100	7.49	6.75	6.09
644703	300-860SL-1000	6	1000	54.95	49.95	47.95

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

BELDEN Enhanced Category 5e Cable

NEW
MARKED IN PINK

DataTwist® 5e+ UTP cable is engineered specifically to perform well beyond category 5e requirements per ANSI/TIA/EIA-568-B.2. Performance is guaranteed to 350MHz. The DataTwist 5e+ is the next generation of cable technology providing performance headroom, allowing the structured cabling system to deliver performance even when unforeseen circumstances arise.



PVC Jacket (CM) – Non-Plenum

Part No.	Product No.	Color	Length (ft.)	1	5	10
1942032	1500A0061000	Light blue	1000' reel	\$170.15	\$160.72	\$152.61
1942059	1500A0091000	White	1000' reel	170.15	160.72	152.61

Flamarrrest Jacket (CMP) – Plenum

Part No.	Product No.	Color	Length (ft.)	1	5	10
1942104	15AD151000	Blue	1000' reel	\$341.25	\$322.29	\$305.19
1942121	15A0091000	White	1000' reel	341.25	322.29	305.19

DataTwist® 350 provides the user with superior electrical performance both "on-the-reel" and in the wall. DataTwist 350 cables ensure superior installable performance by utilizing the patented bonded pair design. They exceed the full range of industry performance criteria, both electrically and physically. DataTwist 350 Enhanced Category 5e cable sets a new precedent for cabling with confidence.



PVC Jacket (CM) – Non-Plenum

Part No.	Product No.	Color	Length (ft.)	1	5	10
1941857	1700A0061000	Light blue	1000' reel	\$196.39	\$171.49	\$157.21
1941881	1700A0091000	White	1000' reel	196.39	171.49	157.21

Flamarrrest Jacket (CMP) – Plenum

Part No.	Product No.	Color	Length (ft.)	1	5	10
1941945	1701AD151000	Blue	100' reel	\$402.65	\$380.35	\$361.29
1941970	1701A0091000	White	1000' reel	402.65	380.35	361.29

BELDEN Bonded-Pair Cable Prep Tool

NEW
MARKED IN PINK

The bonded-pair cable preparation tool make it faster and easier to prepare cables for connector termination. This tool is ideal for use with Belden's IBDN's DataTwist® 350 bonded pair cables, providing special features that help separate twisted pairs. It can also be used to prepare any unbonded-pair cable for installation.



Part No.	Product No.	Description	1	25	50
1941241	1797B009	Bonded-pair cable prep tool	\$10.45	\$9.78	\$9.10

See pages 59, 60 & 143 for **NEW** Belden Networking products.

JAMECO ValuePro Category 5e/5 Network Cable

JAMECO
EXCLUSIVE

- 4 twisted pairs
- Insulation: polyethylene
- UTP
- Nominal OD.: 0.189"
- Nominal impedance: 100
- Solid: uses modular plug P/N 119343, pg 60
- Stranded: uses modular plug P/N 79281, pg 60
- Prepackaged and priced in increments listed below



24 AWG UTP Category 5 Enhanced – 350MHz

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25
644551	10X5-701TH-100	Solid	Gray	100	\$10.75	\$10.38
644560	10X5-701TH-1000	Solid	Gray	1000	110.15	98.28
645731	10X5-704TH-1000	Solid	Blue	1000	99.25	98.84
644586	10X5-801TH-100	Stranded	Gray	100	21.59	19.43
644594	10X5-801TH-1000	Stranded	Gray	1000	159.99	143.99
644615	10X5-804TH-100	Stranded	Blue	100	25.29	24.00
644623	10X5-804TH-1000	Stranded	Blue	1000	199.95	189.99
645765	10X5-805TH-1000	Stranded	Red	1000	159.99	143.99
645790	10X5-802TH-1000	Stranded	Black	1000	175.95	143.99

24 AWG UTP Category 5 – 100MHz

• 7/32 AWG

NEW
MARKED IN PINK

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25
644631	GTP501-4P-GR-25	Stranded	Gray	25	\$5.95	\$5.65
644640	GTP501-4P-GR-100	Stranded	Gray	100	22.59	21.52

Additional Cable is available online at www.Jameco.com/Cable

JAMECO ValuePro 2-Conductor Power/Speaker Cable – 24 AWG

- Black wire with white polarity stripe
- Stranded copper wire (7 x 32)
- Operating voltage: 300V
- Temperature rating: 20°C to 60°C

JAMECO EXCLUSIVE

Part No.	Cross Ref. No.	Length	1	10	25
100280	224BK/C	100'	\$7.19	\$6.84	\$5.13
100299	224BK/K	1000'	49.99	44.89	39.59

JAMECO ValuePro RG Type Bulk Coaxial Cable

- For ethernet, oscilloscopes
- RG58/U & RG58A/U (50Ω):
- Nominal capacitance: 27pF/ft.; center resistance: 10.4Ω/1000ft. @ 77°F
- RG174/U (50Ω):
- Nominal capacitance: 30.8pF/ft.; center resistance: 97Ω/1000ft. @ 77°F

JAMECO EXCLUSIVE

NEW MARKED IN PINK


Part No.	Cross Ref. No.	Type	Description	Length	1	25	50
644754	RG58/U-100	RG58/U	20 AWG solid	100'	\$11.99	\$11.39	\$10.79
644762	RG58/U-1000	RG58/U	20 AWG solid	1000'	108.49	103.05	97.89
644771	10X1-041TH-100	RG58A/U	20 AWG stranded	100'	23.75	22.49	21.35
644789	10X1-041TH-1000	RG58A/U	20 AWG stranded	1000'	187.49	178.19	169.19
644797	RG59/U-100	RG59/U	22 AWG solid	100'	12.99	12.35	11.75
644800	RG59/U-1000	RG59/U	22 AWG solid	1000'	130.89	124.34	118.10
644818	RG174/U-100	RG174/U	26 AWG stranded	100'	23.75	20.19	15.14
644826	RG174/U-1000	RG174/U	26 AWG stranded	1000'	234.25	222.53	166.90

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 175.

Computer Cables

Disk Drive & SCSI Cables



32918: 34-pin header socket ribbon cable for floppy to card

185076: 40-pin IDE hard drive cable to card

32715: 50-pin header socket ribbon cable SCSI-I

QUANTITY SAVE

Part No.	Length	1	10	100
32918	23"	\$3.49	\$2.97	\$2.22
185076	14"	.95	.71	.53
32715	18"	4.29	3.80	3.22

Ribbon Cable Assemblies

- Metal connector
- 300V rating • 105°C rating
- 28 AWG flat cable
- Tin-plated contacts

QUANTITY SAVE

Part No.	Description	1	10	100
12408	4' DB25 M-F	\$5.09	\$4.33	\$3.25
208582	6' DB9 M-F	4.75	4.26	3.83

AT/ATX Power Supply Extension Cable

- For use with ATX power supplies
- 20-pin ATX male and female connectors
- Color coded to ATX power supply

QUANTITY SAVE

Part No.	Length	AWG	1	10	100
170238	15'	18	\$6.49	\$6.16	\$5.83

3.5" & 5.25" Disk Drive Power Splitters

- IBM PC/XT and higher compatibles
- Splits 4-line Molex male into 2 females

QUANTITY SAVE

Part No.	Drive	AWG	Length	1	10	100
28354	5.25"	18	5'	\$3.15	\$2.67	\$2.04
277528	5.25"	20	6"	1.95	1.75	1.49
72304	3.5"	22	5'	3.29	2.99	2.63

3.5" Disk Drive Power Adapter Cable

- IBM PC/XT and higher compatibles
- Allows connection of standard 3.5" disk drives to power supplies

Part No.	Length	AWG	1	10	100
28397	3.5"	22	\$3.95	\$3.36	\$2.86

Serial Null Modem Cables

- Molded type connectors
- Color: gray

181404/180698 Pin outs: 1 & 6-4, 2-3, 3-2, 4-6 & 1, 5-5, 7-8, 8-7

181438 Pin outs: 2-2; 3-3; 5 & 6-4; 7-5; 8-7; 20-6 & 8 (Serial printer null modem)

180582 Pin outs: 2-2; 3-3; 4-5 & 6; 5-7; 6 & 8-20; 7-8; (Serial printer null modem)

180742 Pin outs: 1-4 & 5; 2-2; 3-3; 4-6; 5-7; 6-20; 7-8; 8-8

Part No.	Description	1	10	50
181404	6' DB9 F to DB9 F	\$5.69	\$5.09	\$4.59
180698	10' DB9 F to DB9 F	6.79	6.09	5.49
181438	6' DB25 M to DB9 F	4.95	4.49	3.95
180582	10' DB25 M to DB9 F	6.69	6.05	5.45
180742	10' DB25 F to DB9 F	7.39	6.65	5.99

PS/2 Keyboard Extension Cables

- 6-pin mini DIN female-to-male
- Color: beige

QUANTITY SAVE

Part No.	Description	1	10	100
28549	PS/2 6' non-coiled	\$4.35	\$3.70	\$2.78
111053	PS/2 10' non-coiled	5.49	4.67	3.50

Macintosh® Printer and Keyboard Cables

NEW MARKED IN PINK

Part No.	Mfr.	Description	1	10	50
10604	ValuePro	6' DIN8M	\$3.39	\$3.22	\$3.05
130025	ValuePro	10' DIN8M	5.99	5.39	4.85
1944994	Various	40' DIN8M w/ EMI	2.95	2.49	2.25

IEEE 488 Cables

A variety of cable lengths are offered to ensure that IEEE system requirements are met (20 meters maximum length with a maximum of 15 devices). These cables are standard IEEE 488 with stackable 24-pin GPIB connectors on both ends.

- Color: gray

Part No.	Description	1	10	25
73155	1 meter	\$39.39	\$35.41	\$31.85
115781	2 meter	38.35	34.53	31.25
115802	4 meter	42.85	39.81	35.15

VGA Monitor Extension Cables

- Extends VGA monitor cable; HDDB15 male-to-female
- IBM PC/XT and higher compatibles

134042:

- HDDB15 female w/ hex nuts and HDDB15 male w/ thumbscrews

66165/148532:

- Thumbscrews on each end

QUANTITY SAVE

Part No.	Description	1	10	100
134042	6' screws/hex nuts	\$4.75	\$4.04	\$3.03
66165	6' thumbscrews	7.49	6.78	6.10
148532	10' thumbscrews	8.45	7.66	6.76

VGA Monitor Cables

- Connects video card to VGA monitor
- IBM PC/XT and higher compatibles
- HDDB15 male to male

66174

Part No.	Description	1	10	100
66174	6' monitor cable	\$7.79	\$7.07	\$6.35
148523	10' monitor cable	7.25	6.49	5.79

RGB Video Cable

- 75Ω coaxial cable
- Length: 6'
- Pin 1 red, pin 2 green, pin 3 blue, pin 14 white/black vertical, pin 13 gray horizontal
- Color: black
- 5 BNCs to HDDB15-pin male

QUANTITY SAVE

Part No.	Description	1	10	25
73648	RGB video cable	\$19.95	\$16.99	\$12.74

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Computer Cables are available online at www.Jameco.com/Cable

Switch Box Adapter Cables

6-pin mini DIN

- 177261:** Male to male non-coiled cable for P/N 79177 switch box, pg 140
174772: Male to male
174908/205655: M-M non-coiled
112628: Male to male non-coiled cable for P/N 79177 switch box, pg 140

NEW
MARKED BY PRICE



205655

QUANTITY
SAVE

Part No.	Length	Color	1	10	50
177261	2'	Gray	\$2.95	\$2.55	\$1.89
174772	6'	Black	3.95	2.95	2.49
174908	6' ⊕	Gray	5.75	5.15	4.65
112628	10' R	Beige	7.95	6.76	5.07
205655	25'	Beige	8.95	7.95	6.95

DB9 Extension Cables

- All lines connected straight through

132346/196366:

- DB9 female to DB9 female cable with thumbscrews

199639/25701/148516:

- DB9 male to DB9 female cable with thumbscrews

181666:

- DB9 male to DB9 male cable



132346



25701

QUANTITY
SAVE

Part No.	Description	1	10	100
132346	6' F-F R	\$4.95	\$4.49	\$3.95
199639	6' M-F (blk) R	5.25	4.59	4.06
25701	6' M-F R	7.05	5.99	4.49
196366	10' F-F R	7.45	6.67	5.97
148516	10' M-F R	7.99	7.25	6.39
181666	10' M-M R	7.45	6.67	5.97

DA15 Extension Cables

- Molded connectors
- Straight through
- Thumbscrews
- Color: gray



181286

Part No.	Description	Length	1	10	100
181286	DA15 M-M ⊕	6'	\$6.59	\$5.94	\$5.34
181359	DA15 M-F R	6'	5.49	4.95	4.45

DB25-to-Centronics Parallel Printer Cable

- Molded and fully shielded DB25 male and 36-pin Centronics male connector
- IBM PC/XT and higher compatibles



Part No.	Description	1	10	100
28716	6' straight	\$4.75	\$4.28	\$3.84

DB9-to-DB25 AT-Adapter Serial Cables

- For DB9 serial ports which need to be converted to DB25 serial
- AT and compatibles
- Molded DB9 female to DB25 male connectors



31722

QUANTITY
SAVE

Part No.	Description	1	10	100
109584	1' serial, beige R	\$4.35	\$3.95	\$3.49
189333	3' serial, beige	3.95	3.39	2.55
31722	6' serial, beige R	5.09	4.66	4.13
191361	6' serial, gray	3.95	3.49	2.95
155522	10' serial, beige R	4.09	3.66	3.25

DB25 Extension Cables

- Use to lengthen your standard serial cable or for switch box applications
- All lines connected straight through
- Thumbscrews to secure connectors
- Color: gray; except P/Ns 174001/175291: black*



67256

QUANTITY
SAVE

Part No.	Description	1	10	50	100
174001	3' M-M ⊕ *	\$5.09	\$4.61	\$4.12	\$3.70
401138	3' M-M R	5.35	5.10	4.79	4.55
65788	6' M-M R	7.79	7.07	6.35	5.87
39538	10' M-M	6.95	6.29	5.05	3.69
179979	15' M-M ⊕	8.35	7.52	6.76	5.95
67070	25' M-M ⊕	11.05	9.95	7.96	5.97
180435	50' M-M	14.95	13.49	10.79	8.27
164291	3' M-F ⊕	4.29	3.89	3.49	2.95
175291	3' M-F R *	3.15	2.86	2.40	1.69
67256	6' M-F ⊕	7.75	6.95	6.30	5.63
39511	10' M-F ⊕	9.39	8.61	7.75	5.82
177279	15' M-F	9.49	8.55	7.69	6.25
101996	25' M-F R	12.25	11.07	9.94	8.16
181201	50' M-F	17.95	15.11	11.33	8.61
224267	6' F-F R	7.49	6.74	5.39	4.04

DC37 Straight Through Cable

- Molded connectors
- Color: gray
- Weight: 0.9 lbs.

QUANTITY
SAVE



Part No.	Description	1	10	100
181295	6' DC37 M-F R	\$5.95	\$5.06	\$3.80

9-Pin Test Cable

- DB9 M to DB9 F (6')
- Pin outs: 1-3, 2-2, 4-5

QUANTITY
SAVE



Part No.	Description	1	10	100
162915	DB9 male to DB9 female ...	\$2.95	\$2.51	\$1.88

USB 1.1 Cable

USB-A Male to USB-B Male

⊕ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	25
169359	6' cable ⊕	\$2.05	\$1.83	\$1.55



Digital Camera USB 2.0 Cable

- Color: black
- Length: 6 ft.
- For use w/ digital cameras, memory card readers, etc.



Part No.	Product No.	1	10
673694	USB-A to mini 5-pin	\$2.75	\$2.35

USB-to-DB9 Serial Adapter

- USB-A to DB9 male
- Supports automatic handshake mode
- Over 230kpbs data transfer rate
- 96 byte buffer each for upstream and downstream data flow
- Works with cellphones, PDA, digital cameras, modems and ISDN terminal adapters

* Length: 13"



Part No.	Description	1	10
387954	USB-A to DB9 R	\$17.95	\$16.15

See page 181 for **NEW** HDMI Cables and DVI Cables

USB 2.0 High Speed Extender Cable

An active device where the USB signals going in and out of the extension cable are buffered to assure signal quality and adherence to electrical and timing specs.



- Full compliance with USB spec Ver. 2.0/1.1
- Supports 480Mbit/s high speed 12Mbit/s full speed, and 1.5Mbit/s low speed serial data communication
- One upstream port and one downstream port
- Windows® 98 & higher or Mac® OS compatible
- Supports plug & play and hot-swap functions
- USB-A male to USB-A female
- Bus power mode
- Length: 16 ft.

Part No.	Product No.	Description	1	10
1919174	10U2-24116R	Extender cable	\$19.95	\$18.95

USB 2.0 Cables



- Higher transfer rate up to 480Mbps
- Backward compatible w/ USB 1.1 products

NEW
MARKED BY PRICE

USB-A Male to USB-A Male

Part No.	Description	1	10	25
326474	3' cable beige R	\$1.79	\$1.52	\$1.14
229682	6' cable beige R	2.45	2.38	2.33
222033	6' cable black	1.65	1.49	1.39
229690	10' cable beige ⊕	3.25	3.24	2.43
222050	15' cable black	2.85	2.59	2.49
229577	15' cable clear ⊕	3.45	3.11	2.99

USB-A Male to USB-B Male

Part No.	Description	1	10	25
229711	3' cable beige R	\$1.55	\$1.39	\$1.29
222608	3' cable black R	1.55	1.39	1.29
229585	3' cable clear	1.55	1.32	.99
229730	6' cable beige R	1.65	1.49	1.39
222010	6' cable black R	1.65	1.49	1.39
229594	6' cable clear R	1.65	1.49	1.39
229738	10' cable beige R	1.89	1.75	1.65
222018	10' cable black R	1.89	1.75	1.65
229607	10' cable clear R	1.89	1.75	1.65
229762	15' cable beige R	2.85	2.59	2.49
222026	15' cable black R	2.85	2.59	2.49
229614	15' cable clear ⊕	2.75	2.28	1.71

USB-A Male to USB-A Female

Part No.	Description	1	10	25
326482	3' cable beige R	\$1.55	\$1.39	\$1.29
229771	6' cable beige R	1.65	1.40	1.05
222068	6' cable black	1.65	1.49	1.39
229622	6' cable clear ⊕	1.65	1.40	1.05
229789	10' cable beige R	1.89	1.75	1.65
222076	10' cable black	2.15	1.92	1.73
229797	15' cable beige R	2.85	2.59	2.49
222084	15' cable black	2.85	2.59	2.49
229649	15' cable clear ⊕	3.05	2.90	2.75

Ⓡ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional USB Cables are available online at www.Jameco.com/Cable

USB-A Cable with Bracket

- Supports data transfer rates of 12Mbps
- Allows connection of two devices
- Dual USB-A female connectors • 8" long



Part No.	Description	1	10	25
144813	Female panel mount	\$3.99	\$3.79	\$3.59

USB Gender Adapter

- USB-A female to USB-A female
- Dimensions: 1.5"L x 0.7"W



Part No.	Description	1	10	25
316806	USB-A female 	\$2.95	\$2.73	\$2.60

IEEE 1394 Firewire Cables



- IEEE-1394 compliant • UL approved
- Molded connectors

4-pin Male to 4-pin Male

Part No.	Description	1	10	25
175821	6' cable black 	\$6.45	\$5.81	\$5.23

4-pin Male to 6-pin Male

175839	6' cable black 	\$5.59	\$4.76	\$3.57
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6-pin Male to 6-pin Male

175848	6' cable black 	\$5.59	\$5.05	\$4.55
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See page 181 for **NEW** Firewire Cables

Network Crossover Cables

- Connect 2 PCs without a hub
- 24AWG (7 x 43) stranded
- Strain relief RJ45 connectors
- 4-pair • 8P8C • UTP



CAT 5e

Part No.	Length	Color	1	10	100
681109	3 ft.	Gray	\$2.95	\$2.49	\$1.95
302041	7 ft.	Gray	3.75	3.39	3.05
681117	7 ft.	Gray	3.25	2.95	2.75
685812	7 ft.	Yellow	3.25	2.95	2.75
169261	10 ft.	Gray	9.25	8.31	7.44

CAT 6

Part No.	Length	Color	1	10	100
681096	7 ft.	Gray	\$6.95	\$5.95	\$4.95

Professional Modular Connector Crimping Tool

- 6mm and 12mm stripping guide
- Spring return action
- Crimp modular plugs without changing dies
- Crimps 10P10C, RJ45: 8P8C, RJ11 and RJ12: 6P6C, and 4P4C
- Insulated handles • Size: 8.2"L • Weight: 1.2 lbs.



Part No.	Product No.	1	10	25
181148	HT200	\$54.95	\$49.49	\$44.55

♣ This product typically requires two additional days to ship. Please request ***ship partial*** if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

Category 6 Network Cables

- With RJ45 plugs and molded strain reliefs
- Assembled using ETL verified 24AWG stranded cable
- Gold over nickel contacts
- Exceeds performance levels as specified in TIA/EIA 568B.2-1 category 6



Part No.	Length	Color	1	10	50
219707	3 ft.	Gray	\$2.39	\$1.90	\$1.54
219715	7 ft.	Gray	3.99	3.87	3.68
219723	14 ft.	Gray	6.59	6.37	6.05
219731	25 ft.	Gray	9.45	7.95	5.95
219740	50 ft.	Gray	12.89	11.76	9.11
219854	3 ft.	Blue	2.79	2.39	1.78
219862	7 ft.	Blue	3.99	3.87	3.68
219871	14 ft.	Blue	6.59	6.37	6.05
219889	25 ft.	Blue	8.59	7.94	6.92
219897	50 ft.	Blue	12.89	11.76	10.03
220003	3 ft.	White	2.79	2.39	1.78
220011	7 ft.	White	3.99	3.87	3.68
219900	3 ft.	Red	2.79	2.39	1.78
219918	7 ft.	Red	3.99	3.87	3.68
219934	25 ft.	Red	8.59	7.94	5.95
219942	50 ft.	Red	12.89	11.76	8.82
219803	3 ft.	Green	2.79	2.37	1.78
219811	7 ft.	Green	3.99	3.87	3.68
219820	14 ft.	Green	6.59	5.60	4.20
219766	7 ft.	Black	3.99	3.87	3.68
219774	14 ft.	Black	6.59	6.37	6.05
219782	25 ft.	Black	8.59	7.94	6.92
219969	7 ft.	Yellow	3.99	3.87	3.68
219993	50 ft.	Yellow	15.45	14.11	10.58

Category 5e Network Cables

- UTP • 350 MHz
- 8P8C • 4 pair
- 24 AWG (7 x 43) stranded
- "Snagless" boot
- Color coded for easy wire tracing
- High-flexibility
- Achieve optimum system performance



Part No.	Length	Color	1	10	100
168292	3 ft.	Gray	\$1.79	\$1.49	\$1.39
168305	7 ft.	Gray	3.59	3.11	2.87
168313	15 ft.	Gray	7.49	6.23	5.67
168321	25 ft.	Gray	7.99	6.79	6.39
201777	3 ft.	Red	1.79	1.49	1.39
201785	7 ft.	Red	3.49	3.00	2.77
201793	15 ft.	Red	6.35	5.40	4.05
201806	25 ft.	Red	9.59	8.15	7.67
201697	3 ft.	Black	1.79	1.49	1.39
201700	7 ft.	Black	3.49	3.00	2.77
201718	15 ft.	Black	7.49	5.23	5.09
201726	25 ft.	Black	9.59	8.15	7.67
201734	3 ft.	Blue	1.79	1.49	1.39
1945381	5 ft.	Blue	2.49	1.95	1.49
201742	7 ft.	Blue	3.59	3.11	2.87
1945401	10 ft.	Blue	4.95	3.95	2.95
201751	15 ft.	Blue	7.49	6.23	5.67
201769	25 ft.	Blue	8.79	7.47	6.99
201814	3 ft.	Yellow	1.79	1.49	1.39
1945372	5 ft.	Yellow	2.49	1.95	1.49
201822	7 ft.	Yellow	3.59	3.11	2.87
1945399	10 ft.	Yellow	4.95	3.95	2.95
201831	15 ft.	Yellow	7.49	6.23	5.67
201849	25 ft.	Yellow	8.15	6.93	5.20

BELDEN GigaFlex P5E Modular Cords

These are 4-pair 24AWG UTP cords that are designed for use with the Belden IBDN Plus cabling system and the Belden IBDN system 1200 providing channel bandwidths of 100MHz and 160MHz respectively. Patented in design that features a very small footprint, making the fully compatible with highest density hubs which uses RJ-45 connections.



NEW
 MARKED IN PINK

Part No.	Product No.	Length	Color	1	25	50
1941646	AX350002	4 ft.	Blue	\$5.85	\$5.35	\$5.10
1941654	AX350003	7 ft.	Blue ..	6.69	6.12	5.61
1941662	AX350004	10 ft.	Blue ..	7.55	6.91	6.33
1941700	AX350008	4 ft.	White	5.99	5.39	4.89
1941718	AX350009	7 ft.	White	6.85	6.18	5.62
1941726	AX350010	10 ft.	White	7.69	6.97	6.33
1941769	AX350014	4 ft.	Gray ..	6.19	5.61	5.11
1941777	AX350015	7 ft.	Gray ..	7.25	6.56	5.96
1941785	AX350016	10 ft.	Gray ..	8.15	7.32	6.65

8-Position Modular Jacks & Plugs

Single Port Modular Jacks

- Meets or exceeds FCC part 68 rules and regulations
- Current rating: 1.5A max. @ 25°C (derated)
- Voltage rating: 150VAC max.
- Housing: polyester 94V-0 rated
- Dielectric withstanding voltage: 1000VAC_{RMS}
- Contact: 0.014" thick phosphor bronze with 50µ" gold in contact area and 150µ" tin-lead on solder tails over nickel



Shielded – Side Entry

Part No.	Product No.	Description	1	25	50
524453	555153-1	Low profile	\$1.33	\$1.13	\$0.85

Unshielded

524488	555416-1	Top entry	\$5.59	\$5.56	\$5.53
524461	555164-1	Side entry 12.6mm H .....	.67	.65	.61
958366	5555164-1	Side entry 12.6mm H .....	.61	.56	.53

Unshielded Modular Plug

- One piece construction with pre-loaded contacts
- Housing: polycarbonate UL94V-0 rated
- Current rating: 15A @ 150VAC
- Terminals: 0.014" thick phosphor bronze under-plated with 100µ" nickel, plated with 50µ" gold in contact region and gold flash on terminal
- Dielectric withstanding voltage: 1000VAC
- Insulation resistance: 5000MΩ • Meets FCC rules and regulations part 68 and TIA/EIA 568A



Part No.	Product No.	Description	1	25	50
524496	5-557315-3	Round solid	\$4.49	\$4.46	\$3.39

BOMAR "EZ" RJ45 Connector

Strip the wire and insert into the plug & pull out the wire on the other side. This ensures correct conductor order and uniformity in crimping. No wire bar and no wasted cable.

- For solid or stranded wire • 8P8C plug
- Use standard modular crimping tool



Part No.	Product No.	1	10	100	250
158115	RJ45 (8P8C)	\$1.75	\$1.58	\$1.42	\$1.25

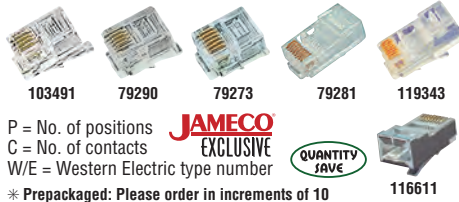
Modular Plugs, Jacks, Plates & Accessories

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
JAMECO
HOUSE BRANDS
FACTORY OVERRUN

Additional Modular Plugs & Jacks are available online at www.Jameco.com/Cable

JAMECO ValuePro

Modular Plugs



P = No. of positions
C = No. of contacts
W/E = Western Electric type number

* Prepackaged: Please order in increments of 10

Part No.	Description	W/E	1	10	100	1000
103491	4P4C (handset)	616	*	\$.132	\$.117	\$.088
79290	6P4C (RJ11)	623	*	.142	.117	.088
79273	6P6C (RJ11)	623	.25	.22	.195	.18
79281	8P8C (RJ45) (for stranded wire)	641	.47	.38	.28	.25
119343	8P8C (RJ45) unshielded (for solid wire)	—	.45	.424	.338	.264
116611	8P8C (RJ45) shielded	—	1.09	.99	.89	.79
116602	8P8C (RJ45) shielded (for solid wire)	—	.99	.79	.65	.49
180646	10P10C (for stranded wire)	—	1.69	1.37	.94	.86

JAMECO ValuePro

Modular Jacks



- Voltage rating: 150VAC max.
- Contact current rating: 1.5A max. @ 25°C
- Durability: 750 mating cycles
- * W/E = Western Electric type number

Part No.	Description	W/E	1	10	100
115128	4P4C (handset) 0.395"W	—	\$.41	\$.361	\$.316
151766	6P4C (RJ11) side flange	AMP	.55	.46	.345
115837	6P6C (RJ11) side flange	—	.81	.74	.65
204178	6P6C (RJ11) dual	—	1.49	1.35	1.19
124039	6P6C (RJ11) 6" leads	—	1.25	1.15	.99
115844	8P8C (RJ45)	641	.56	.51	.47
204215	8P8C (RJ45) 0.81"L	—	1.35	1.26	1.20
203449	8P8C (RJ45) shielded Pin spacing "A" = 0.055"	—	1.39	1.18	.88

Great Prices on Factory Overruns from Other Mfrs.

1537416	8P8C (RJ45) low profile	—	\$.59	\$.45	\$.35
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Workstation Interface Plates

Designed to accept the Belden EZ-MDVO, GigaFlex UTP & MDVO multimedia modules. It includes labeling capabilities using built-in label windows. Faceplates can be attached to standard electrical boxes or wall-mounting hardware for flush mount installations and it also fits over the interface adapter boxes for surface mount applications.

BELDEN
SENDING ALL THE RIGHT SIGNALS



Part No.	Product No.	Description	1	10	25
1941099	AX101432	Almond, 2 port	\$3.35	\$2.81	\$2.60
1941101	AX101433	White, 2 port	3.05	2.76	2.51
1941128	AX102582	Ivory, 2 port	3.05	2.76	2.51
1941144	AX101436	Almond, 4 port	3.09	2.79	2.53
1941152	AX101437	White, 4 port	3.09	2.79	2.53
1941179	AX102583	Ivory, 4 port	3.09	2.79	2.53

Keystone-Type Wall Plate

• Size: 2.8"W x 4.5"H

Part No.	No. of ports	Color	1	10	100
212986	3	White	\$1.29	\$1.21	\$1.04

Keystone-Type RJ45 & RJ11 Jacks

Modular Punchdown Type

- Removable jacks used in wall plates
- CAT 5e classification
- Punchdown type wiring connections with color coding
- Size: 0.57"W x 0.63"H x 1.23"D

Part No.	Description	Color	1	10	100
195630	8P8C (RJ45)	Black	\$4.05	\$3.44	\$2.58
212944	8P8C (RJ45)	White	3.75	3.19	2.39
213517	6P6C (RJ11)	White	3.75	3.20	2.40

GG RECORDS

Network Connector

CAT 5e Coupler • RJ45 female

Part No.	Product No.	1	10	100
615048	45-5439	\$5.39	\$5.05	\$4.79

JAMECO ValuePro

RJ45 Plug Cap (Boot)

- Round strain relief
- Sold in increments of 10

Part No.	Color	10	100	500	1000
204362	Blue	\$.14	\$.12	\$.098	\$.073

AMP

Modular Jacks

- Housing: PBT polyester, black
- Terminal/plating:
A: phosphor bronze w/ 15µ" gold in localized area, 80µ" tin-lead in solder area;
B: phosphor bronze w/ 50µ" gold in localized area, 80µ" matte tin in solder area
C: phosphor bronze w/ 50µ" gold in localized area, 150µ" matte tin in solder area;

Part No.	Product No.	Pos./Contact	Description	Plating	1	10	100
850540	520249-2	4P4C	Side entry flangeless w/ panel stops	A	\$.91	\$.84	\$.80
956301	5520425-3	6P4C	Top entry w/o panel stops	B	.86	.77	.70
956176	5520258-3	6P6C	Top entry, flangeless w/ panel stops	C	.53	.49	.47
852561	555163-1	6P6C	Low profile right angle w/ panels stops	A	.86	.82	.74
754890	555163-1	6P6C	Low profile right angle w/ panel stops	B	.86	.69	.638

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product Ⓢ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

BELDEN

GigaFlex PS5E Modules

A punch down UTP connector based on a patented encapsulated lead frame technology. Exceeds all requirements specified in the Category 5E standard. NEXT, FEXT, attenuation and return loss have set to guarantee transmission performance up to 160MHz and a data-rate of up to 1.2Gb/s.



MDVO style



Keystone style

MDVO Style

Part No.	Product No.	Color	1	10	25
1939853	AX101045	Almond	\$6.75	\$5.69	\$5.26
1939861	AX101046	White	6.79	6.10	5.55
1939870	AX101047	Black	6.75	5.69	5.26

Keystone Style

Part No.	Product No.	Color	1	10	25
1939984	AX101308	Almond	\$6.75	\$5.69	\$5.26
1939992	AX101309	White	6.79	6.10	5.55
1940002	AX101310	Black	6.75	5.69	5.26

BELDEN
SENDING ALL THE RIGHT SIGNALS

Specialty Tools



1941232: IBDN GigaFlex connecting tool

1941259: Termination station

1941267: Outlet release tool

Part No.	Product No.	1	5	10
1941232	AX100749	\$56.79	\$53.39	\$49.63
1941259	AX101852	6.99	6.65	6.17
1941267	AX101185	3.75	3.55	3.29

GG RECORDS

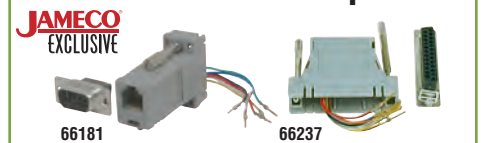
Telco Adapters



Part No.	Fig.	Prod. No.	Description	1	10	100
614977	1	45-5110	8C RJ45 to DB9 M	\$3.35	\$2.45	\$2.34
615005	2	45-5113	8C RJ45 to DB9 F	2.45	2.31	1.96
615021	3	45-5123	8C RJ45 to DB25 M	2.95	2.36	1.95

JAMECO ValuePro

RS-232-to-RJ11/RJ45 Modular Jack Adapters



Change your RS-232 port to an RJ11 or RJ45 modular jack. This will allow you to use modular phone cable rather than RS-232 cable, thus simplifying networking applications. Comes complete with all necessary wiring and hardware.

Part No.	Description	1	10	100
66181	DB9 M to RJ11 (6P6C)	\$2.59	\$2.35	\$2.09
66191	DB9 M to RJ45 (8P8C)	2.89	2.65	2.35
114738	DB9 F to RJ11 (6P4C)	2.35	2.15	1.91
66203	DB9 F to RJ11 (6P6C)	2.79	2.55	2.29
66212	DB9 F to RJ45 (8P8C)	2.99	2.69	2.45
66229	DB25 M to RJ11 (6P6C)	2.95	2.35	1.99
66237	DB25 M to RJ45 (8P8C)	2.99	2.69	2.45
66253	DB25 F to RJ45 (8P8C)	2.89	2.59	2.29

Additional Cable Accessories are available online at www.Jameco.com/Cable

Modular Couplers and Adapters

JAMECO ValuePro **JAMECO EXCLUSIVE**

Fig. 1
W: 1.5"
H: 0.9"
D: 0.7"

Fig. 2
W: 1.7"
H: 1.0"
D: 0.9"

Style 1 Reverse wiring for telephone systems

Style 2 Straight wiring for networking/printer sharing

Part No.	Description	Fig.	1	10	100
71757	6P6C modular coupler, Style 1, RJ11	1	\$.95	\$.86	\$.79
135087	6P6C modular coupler, Style 2, RJ11	1	1.09	.93	.70
118501	8P8C modular coupler, Style 1, RJ45	1	1.69	1.44	1.08
135079	8P8C modular coupler, Style 2, RJ45	1	1.39	1.25	1.15
153023	8P8C modular coupler, Style 2 (for CAT 5) RJ45	2	7.99	7.19	6.49

Modular Jack Boxes

Fig. 1
W: 2.0"
H: 2.2"
D: 0.9"

Fig. 2
W: 1.5"
H: 2.4"
D: 1.1"

Fig. 3
W: 2.4"
H: 2.4"
D: 1.1"

Part No.	Description	Fig.	1	10	100
103464	6P4C adhesive jack RJ11 (beige)	1	\$1.39	\$1.19	\$1.09
71984	6P6C adhesive jack RJ11 (beige)	1	1.39	1.19	.99
71651	8P8C adhesive jack RJ45 (beige)	1	1.95	1.65	1.24
213032	8P8C adhesive jack RJ45 (single, white) (CAT 5e)	2	3.29	2.99	2.69
213049	8P8C adhesive jack RJ45 (dual, white) (CAT 5e)	3	4.55	3.87	2.90

Modular Telephone/Printer Sharing Cables (Gray)

- RJ11 – 6P2C/6P4C for telephone or network
- RJ11 – 6P6C for telephone or printer sharing
- RJ45 – 8P8C for telephone or modem-dial-up use

Style 1 – Reverse wiring for telephone systems

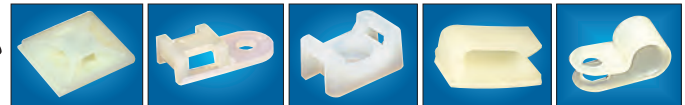
Style 2 – Straight wiring for networking/printer sharing

Part No.	Conn. Style	Type	Length	Pricing		
				1	10	100
196227	1	RJ11-6P4C	7ft.	\$1.75	\$1.49	\$1.29
115554	2	RJ11-6P4C	7ft.	1.75	1.49	1.29
115545	1	RJ11-6P4C	25ft.	2.99	2.72	2.41
201232	2	RJ11-6P4C	35ft.	2.49	1.75	1.25
115588	1	RJ11-6P6C	7ft.	1.55	1.32	.99
115617	2	RJ11-6P6C	7ft.	2.19	1.99	1.79
115677	2	RJ45-8P8C	7ft.	1.89	1.75	1.49

† Beige

Cable Tie Mounts and Cable Clamps

- Tie mount and screw tab cable clamps
- Material: UL approved nylon 66, 94V-2
- Sold in increments of 10



Part No.	Cross Ref. No.	Description	10	100	1000
182942	0505HC-101S	4-way cable tie mount, self adhesive, .75"D	\$.096	\$.086	\$.077
171214	HC-100	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.5" square	.156	.113	.11
71407	HC-101	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.9" square	.185	.165	.134
71395	HC-102	4-way cable tie mount, self adhesive, use w/ 0.2"W max., 1.1" square	.23	.19	.14
71386	HC-103	4-way cable tie mount, self adhesive, use w/ 0.4"W max., 1.1" square	.30	.228	.156
70595	HC-0	4-way cable tie, screw type, use w/ 0.2"W max., 0.8"L x 0.4"W	.17	.102	.057
182301	0510HC-2	Cable tie mount, 1/4" screw hole, 0.5"D	.17	.145	.109
173761	HC-1	Cable tie, saddle type, 0.6"L x 0.4"W	.26	.15	.089
182334	0520FC-1	Cable tie mount, self adhesive, 0.1"D	.17	.15	.113
173737	UC1	Cable clamp for 1/4" cable	.15	.097	.068

RIP-TIE Rip-Tie Lite & Wrap Strap

- Patented one end permanently attaches to the cable and the other end has a pull tab
- Durable – made of the best quality hook and loop touch fastener tested for 10,000 closures with no loss of holding strength
- Reusable and permanent • 10 per pack



Part No.	Description	1	10
700699	1/2"W x 8"L, rainbow	\$8.75	\$8.55
700701	1/2"W x 8"L, black	8.75	8.55
744624	1/2"W x 10"L, rainbow	12.25	10.95
744632	1/2"W x 10"L, black	12.25	11.99

RIP-TIE Gecko Tape

- Low cost
- Non-adhesive, self-gripping tape



Part No.	Description	1	10
744667	1/2"W x 30"L, black	\$4.79	\$4.69
744675	1/2"W x 75"L, black	11.69	11.45

3M Tape Wire Marker

- For marking wires with numerical sequence
- Self adhesive tapes numbered 0-9
- Size: (tape) 96"L x 0.25"W



Part No.	Description	1	10
159231	Numerical tape dispenser	\$38.19	\$36.95

Nylon Cable ID Ties and Tabs

- Clear ID tab (0.98" x 0.31")
- Sold in increments of 10



Part No.	Size	10	100	1000
71062	4.0"L x 0.1"W	\$.27	\$.23	\$.173

Cable Tie Tool

- 2.5 - 5mm width (of cable)
- Tension adjustable
- Twist to cut surplus tie end
- Spring return action • Metal



Part No.	Cross Ref. No.	1	5	10
182298	0302TG-7	\$19.15	\$17.99	\$16.86

Nylon Cable Ties

Standard

70561

- Cable ties made from UL approved Nylon 6.6
- Temperature range: -40°C to +85°C
- Flammability rating: UL 94V-2
- Color: clear (except P/N 182677:white)
- Sold in increments of 100

Part No.	Tensile Strength (lbs.)	Dimensions (L" x W")	100	1000
70561	18	3.1 x 0.10	\$.025	\$.015
126544	18	4.0 x 0.10	.025	.017
182677	18*	4.75 x 0.13	.03	.025
182651	18	5.5 x 0.13	.11	.10
139150	18	8.0 x 0.10	.08	.06
182669	18	8.0 x 0.13	.075	.05
182685	18	8.0 x 0.18	.036	.033
70907	40	5.8 x 0.10	.035	.026
190756	40	10.0 x 0.14	.12	.09
190772	40	11.0 x 0.19	.12	.09
190764	40	13.0 x 0.14	.13	.089

* White

Weather Resistant

104142

- Contains Carbonate A for greater resistance to ultraviolet rays in outdoor use
- Sold in increments of 100

Part No.	Tensile Strength (lbs.)	Dimensions (L" x W")	100	1000
139125	18	3.0 x 0.90	\$.04	\$.03
104142	18	4.0 x 0.10	.044	.029
104134	40	5.8 x 0.10	.078	.051
190782	40	8.0 x 0.13	.108	.083
190800	40	10.0 x 0.14	.115	.093
190802	40	13.0 x 0.14	.20	.15

Cable Tie Assortments

- Tensile strength: 18-50 lbs.

145701: 1000 pcs. (4"L); 10 colors

150412: 500 pcs. (4"L); 300 pcs. (8"L); 50 pcs. (11"L), 5 colors

Part No.	Wt. (lbs.)	1	10	50
145701	0.7	\$9.99	\$8.99	\$7.40
150412	1.7	16.99	15.99	14.99



Heat Guns & Heat Shrink Tubing

3 LEVELS OF SAVINGS
FRANCHISE SOURCED JAMECO GENERIC & NON-FRANCHISED FACTORY OVERRUN
HOUSE BRANDS

Additional Heat Shrink Tubing is available online at www.Jameco.com/Cable

Split Loom Cable Wrap

Bundle and protect cables and cords.

- High temperature rating
- 1/2" diameter with slit
- Color: black
- 25' spool



Part No.	Description	1	10
1585531	25' split loom	\$3.95	\$3.49

Polyolefin Heat Shrink Tubing

alpha FIT221/FIT221B Series

Insulation from environment and resistance from water fungus and UV light. Use for general purpose insulation and repair, wire and cable harnessing/bundling, cable and connector protection, and wire and tubing splicing and connecting.



- Operating temp: -55°C to 135°C
- Shrinkage ratio: 2:1 @ 121°C
- Dielectric strength: 500V/mil (197kV/cm)
- Volume resistivity: 10¹⁴Ω-cm

Black (6 inch pieces)

Part No.	Product No.	Min./Max. ID (ins.)	Bags of	1	5
419400	FIT221B-1/16	.063/.031	36	\$13.75	\$12.95
419549	FIT221B-3/4	.750/.375	12	13.39	12.59
419565	FIT221B-1	1.00/.500	8	13.95	13.07

Black (4 foot pieces)

Part No.	Product No.	Min./Max. ID (ins.)	1	5	25
419101	FIT221B-3/64	.046/.023	...	\$0.67	\$0.60 \$0.57
419127	FIT221B-1/16	.063/.031	...	.96	.91 .74
419143	FIT221B-3/32	.093/.046	...	.72	.64 .61
419160	FIT221B-1/8	.125/.062	...	.77	.73 .72
419186	FIT221B-3/16	.187/.093	...	.95	.84 .83
419207	FIT221B-1/4	.250/.125	...	1.79	1.66 1.36
419223	FIT221B-3/8	.375/.187	...	1.31	1.17 1.11
419240	FIT221B-1/2	.500/.250	...	1.48	1.32 1.26

Clear (4 foot pieces)

419215	FIT221-1/4	.250/.125	\$1.75	\$1.56	\$1.37
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Heat Shrink Tubing

- 2:1 uniform shrink ratio
- Color: black

Polyolefin Tubing

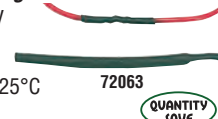
- Shrink temp: 90°C
- Only sold in 10' & 100' lengths



Part No.	Dia. Before (mm)	Length (ft.)	1	25
644834	0.12" (3)	10	\$1.65	\$1.56
644851	0.12" (3)	100	10.59	10.10
644869	0.16" (4)	10	1.75	1.31
644877	0.16" (4)	100	18.39	17.49
644906	0.20" (5)	10	1.55	1.47
644914	0.20" (5)	100	17.99	17.10
644931	0.24" (6)	10	1.69	1.64
644949	0.24" (6)	100	16.49	15.67
644957	0.31" (8)	10	2.29	2.17
644965	0.31" (8)	100	26.95	23.95
644973	0.43" (11)	10	3.35	3.23
644981	0.43" (11)	100	29.99	22.49
644990	0.59" (15)	10	3.69	3.49
645001	0.59" (15)	100	35.99	34.19

Polyolefin Flexible Tubing

- Dielectric strength: 1300V
- Flame retardant
- Shrink temp.: 90°C
- Temp. range: -45°C to +125°C
- * Precut 39" length (1 meter)



Part No.	Dia. Before (mm)	1*	10*	100*
71327	.059" (1.5) ⊕	\$0.66	\$0.56	\$0.49
71871	.079" (2.0) ⊕	.55	.47	.353
71280	.098" (2.5) ⊕	.69	.59	.44
72063	.197" (5.0) ⊕	1.27	.98	.85

1000-Watt Heat Gun

- Input voltage: 110-120VAC
- Dual heat setting: 600°F/1100°F
- Works with spot dry paints, plaster, spackle, and cure adhesives
- Use with heat-shrink material
- Thaw pipes, frozen locks, and loosen rusted bolts



Part No.	Description	1	6	12
254925	Heat gun	\$44.69	\$43.16	\$38.69

Heat Gun/Stripper

Dual-Setting

- Use with heat shrink material
- Dual heat setting: 600°F/1100°F
- Works with spot-dry paint, plaster, spackle cure adhesives
- Will remove adhesive-applied tiles and linoleum without chipping
- Thaw frozen pipes and locks, and loosen rusted bolts
- UL listed



Part No.	Dimensions	1	10	25
76865	9.3"L x 7.0"W ⊕	\$41.45	\$36.22	\$32.49

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 175.

TECHFLEX FLEXO® Clean-Cut Braided Sleeve

- Dense braid structure provides fuller coverage
- Fray resistant when cut with scissors
- Cut and abrasion resistant
- Maintains properties across wide temperature range
- Color: black
- Length: 25 feet

Part No.	Product No.	Min/Max Flex (ins.)	Inside Dia. (ins.)	Outside Dia. (ins.)	1	10
162157	CCP0.25BK25	5/32 - 7/16	0.250	0.440	\$15.99	\$14.99
162165	CCP0.50BK25	1/4 - 3/4	0.500	0.750	17.99	16.99



TECHFLEX FLEXO® PET Braided Sleeve

- Braided from 10 mil polyethylene terephthalate monofilament yarns
- UL recognized component
- High tensile strength
- Maintains properties across wide temperature range
- Confirms to FMVSS 302
- Color: black
- Cut and abrasion resistant
- UV resistant
- Length: 25 feet

Part No.	Product No.	Min/Max Flex (ins.)	Inside Dia. (ins.)	Outside Dia. (ins.)	1	10
695383	PTN0.50BK25	1/4 - 3/4	0.500	0.550	\$11.85	\$8.89



3M Heat Shrink Tubing Kit

3M™ FP-301 is a heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F (135°C) continuous operation.

285481:

Black 102 pieces

- Assorted pre-shrink sizes: 3/16" (30 pcs.); 1/4" (28 pcs.); 3/8" (20 pcs.); 1/2" (14 pcs.); 3/4" (6 pcs.); 1" (4 pcs.)
- Pre-cut to 6" lengths

645976: Assorted colors 133 pieces

- 7 colors: black, red, white, yellow, blue, green and clear
- Assorted pre-shrink sizes: 3/32" (35 pcs.); 1/8" (28 pcs.); 3/16" (21 pcs.); 1/4" (21 pcs.); 3/8" (14 pcs.); 1/2" (14 pcs.)
- Pre-cut to 6" lengths

Part No.	Description	1	5	10
285481	Black 102-pc. kit	\$59.75	\$56.79	\$53.95
645976	Colors 133-pc. kit	60.49	57.07	54.21



Commercial Customers

Open an account with us to consolidate your monthly billing and save time. 1-800-831-4242

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Audio & Video Products are available online at www.Jameco.com/Cable

JAMECO ValuePro

Audio/Video Cables and Adapters

228443/228451
228460/228478

206973/29349

228419

228486

228401

225980/225998/
1810161

228435

228574/228582

228494/228507

228515/228523

JAMECO EXCLUSIVE

QUANTITY SAVE

RCA Cables

Part No.	Description	1	10	25
228443	3' stereo RCA (2) male to (2) male plugs, gold plated	\$1.75	\$1.64	\$1.52
183312	4' RCA male to male plug (black)	1.19	1.05	.93
206973	4' RCA male to male plug (yellow)	.99	.89	.79
106375	6' RCA male to male plug	2.19	1.69	1.26
228419	6' mono RCA male plug to female jack	1.99	1.74	1.50
228486	6' RCA stereo (2) male plugs to (2) female jacks	1.25	1.15	1.05
228451	6' RCA stereo (2) male to (2) male plugs, gold plated	2.15	2.03	1.91
228401	6' RCA stereo (2) male plugs to 3.5mm stereo male plug	1.55	1.39	1.25
29349	10' RCA male to male plug (yellow)	2.05	1.89	1.65
228460	12' RCA stereo (2) male to (2) male plugs, gold plated	2.49	2.27	2.10
228435	25' mono RCA male to male plug, nickel plated	2.59	2.51	2.39
228478	25' RCA stereo (2) male to (2) male plugs, gold plated	2.95	2.77	2.64

Video/Audio Patch Cables

Part No.	Description	1	10	25
228574	25' stereo video patch cable, gold plated	\$6.99	\$6.29	\$5.65
228582	50' stereo video patch cable, gold plated	14.35	12.94	11.62

3.5mm Audio Patch Cables

Part No.	Description	1	10	25
228494	6' 3.5mm stereo male to male plug (black)	\$1.45	\$1.26	\$1.05
228515	6' 3.5mm stereo male plug to female jack	1.95	1.83	1.74
228507	12' 3.5mm stereo male to male plug (black)	1.69	1.49	1.29
228523	12' 3.5mm stereo male plug to female jack	2.09	1.88	1.70

Great Prices on Factory Overruns from Other Manufacturers

1810161	3' RCA (3) male (3) male plugs, gold plated	\$2.49	\$1.75	\$1.25
1810152	6' RCA (3) male (3) male plugs, nickel plated	3.49	3.25	2.75
225980	12' RCA (3) male to (3) male plugs, gold plated	4.95	4.25	2.95
225998	20' RCA (3) male to (3) male plugs, gold plated	7.95	6.49	4.95
1944855	40' 3.5mm mono male to male plug	1.25	1.09	.99

Component Video and Audio Cables

- Low-loss 75Ω oxygen-free copper center conductors and foam dielectric provide maximum signal transfer bandwidth for improved picture quality and performance
- Corrosion resistant, precise 24k gold-plated connectors ensure long lasting quality
- Fully molded color coded connectors attached to an ultra-flexible PVC jacket provide excellent strain relief, easy installation, and identification
- 100%, 0.012mm aluminum-polyester foil shielding and spiral-wound copper-braid shielding provides clear, noise-free, vivid picture quality



Part No.	Description	1	2	5
228620	6' component video RGB cable	\$9.99	\$8.99	\$7.96
229403	6' component video RGB and stereo audio cable	14.95	13.46	12.11

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

JAMECO ValuePro

3.5mm Female Jacks and Male Plugs

109496

165730

101152

231160

231176

231167

JAMECO EXCLUSIVE

QUANTITY SAVE

- Threaded screw on housing
- 1mm diameter solder eyelets
- Shield crimp tabs

231160/231167: With spring strain relief

Part No.	Cross Ref. No.	Description	1	10	100
109496	PJ035PM	Mono F jack, 3.5mm hole size	\$.53	\$.472	\$.425
165730	PJ0354	Mono F jack, 3.5mm hole size	.79	.67	.56
101152	PJ1035	Mono male plug, plastic	.61	.47	.384
231160	PJ1035	Mono male plug, plastic	1.49	1.43	1.31
231176	AP-340	Stereo male plug, plastic	.66	.516	.432
231167	AP-343	Stereo male plug, metal	1.75	1.36	1.02

JAMECO ValuePro

S-VHS Cables and Adapters

228591

229809

229391

JAMECO EXCLUSIVE

Low-loss fully shielded Super-VHS cables, 4-contact mini DIN plus S-VHS cable and dual-RCA plug stereo cables.

- Fully-molded color coded gold RCA connectors
- Flexible black PVC jacket
- Applications: home theaters, DSS receivers, Super-VHS VCRs, camcorders, & DVD players

Part No.	Description	1	10	25
228591	6' S-VHS video cable, gold plated	\$2.15	\$1.95	\$1.79
228611	25' S-VHS video cable, gold plated	4.05	3.85	3.65
229809	S-video 4-pin mini DIN female to female jack	2.85	2.59	2.29
229391	S-video male plug to RCA video female jack	5.39	4.85	4.39

Audio/Video BNC to RCA Cables & Adapter

Fully molded nickel connectors. Used for displays that require a single BNC connection from a PAL/NTSC video source.

Part No.	Description	1	10	50
683059	6' BNC to RCA cable (RG-59)	\$3.95	\$3.49	\$2.95
1945057	6' BNC to BNC video cable w/ BNC to RCA male adapter	4.95	4.49	3.95


Audio Adapters and Cables



RCA Audio Adapters

Part No.	Product No.	Description	1	10	25
228283	251-120	RCA F jack to mono 1/4" M plug	\$.99	\$.89	\$.69
228267	251-116	RCA F to F jack coupler, gold plated	.95	.79	.55

RCA Y-Cables

139038	AC-27-5FT  5' Y-cable 1/8" stereo M plug to (2) RCA M plugs	\$2.25	\$1.99	\$1.79
682793	WCA2274G 6' Y-cable 1/8" stereo M plug to (2) RCA mono M plugs	2.29	1.75	1.25
228371	255-025 6" Y-cable (2) RCA M plugs to RCA F jack	1.11	.99	.90
228355	255-010 6" Y-cable RCA M plug to (2) RCA F jacks	2.09	1.78	1.34
228380	255-038 6" Y-cable (2) RCA F jacks to 3.5mm stereo plug ...	1.95	1.76	1.59

3.5mm Y-Cables

228398	255-042	6" Y-cable (2) 3.5mm stereo F jacks to 3.5mm stereo M plugs	\$1.95	\$1.65	\$1.35
228380	255-038	6" Y-cable (2) RCA F jacks to 3.5mm stereo M plug ..	1.95	1.76	1.59

Audio/Video Plugs & Jacks

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
JAMECO HOUSE BRANDS
FACTORY OVERRUN

Additional Audio/Video Adapters are available online at www.Jameco.com/Interconnect

RCA Metal Plugs

- High-quality metal housing RCA plugs

Gold plated metal housing w/ spring strain relief for 6.7mm cables

Part No.	Product No.	Description	1	10	25	100
229876	JR0101BLK	Black stripes	\$2.29	\$2.06	\$1.65	\$1.24
229868	JR0101R	Red stripes	2.29	2.03	1.86	1.67
229884	JR0101W	White stripes	2.29	1.94	1.65	1.24

RCA Plastic Plugs

- High-quality plastic RCA plugs

Plastic screw-on cover w/ integral cable protection

Part No.	Product No.	Description	1	10	25	100
229921	JR1625BLK	Black (5 pk)	\$1.15	\$1.04	\$0.83	\$0.62
229930	JR1625R	Red (5 pk)	1.15	1.04	.83	.62

RCA Jacks

- Standard RCA jacks for audio and video signals

Part No.	Fig.	Description	Dimensions (WxDxH)	1	10	100
220581	1	PCB mount, white	.44" x .56" x .48"	\$.53	\$.46	\$.345
220556	1	PCB mount, red	.44" x .56" x .48"	.59	.52	.39
112476	1	PCB mount, red	.44" x .58" x .48"	.59	.515	.322
169502	2	PCB mount, black	.40" x .85" x .50"	.47	.40	.30
1537150	3	PCB mount, red/white	1.1" x .40" x .51"	.69	.59	.45
159485	4	Panel mount, black	.84"W x .38"H	.69	.59	.443
172340	4	Panel mount, red	.84"W x .38"H	.70	.61	.39
319249	5	Panel mnt., 1x4 grid, red/wht	2.9" x .48" x .98"	1.43	1.20	.90

KEYSTONE For Keystone RCA Jacks, visit www.Jameco.com - Keyword: Keystone

Microphone (XLR) Connectors

Part No.	Cross Ref. No.	Description	1	10	100
319011	250-710	3-pin male, metal	\$2.59	\$2.20	\$1.65
319003	250-720	3-pin female, metal	2.59	2.20	1.65
319038	250-705	3-pin female, metal, panel mount	4.15	3.39	2.29

Switchcraft Switchcraft is a leading supplier and manufacturer of electronic and electromechanical components for the audio, video, telecommunication, computer, medical, military, appliance, transportation and instrumentation industries. Their components include jacks, connectors, jack panels, plugs, jackfields, patch cords, power plugs, switches, EAC power receptacles and molded cable assemblies.

Audio Plugs and Jacks

Part No.	Product No.	Fig.	Description	Dimensions (mm)	1	10	100
281869	750	1	3.5mm mono audio plug, plastic	14.0 x 41.5 x 5.7 ID	\$3.09	\$2.73	\$2.50
281834	41	2	3.5mm audio jack	7.8 x 5.9	1.95	1.63	1.29
297297	850	3	2.5mm mono phone audio plug, plastic	25.8 x 6.35 Dia.	3.05	2.88	2.74
281789	297	4	1/4" stereo phone audio plug, metal	73.7 x 7.6 ID	5.29	4.75	4.36
281771	280	5	1/4" mono phone audio plug, metal	73.7 x 7.6 ID	4.35	3.43	3.40
281762	267	6	1/4" stereo phone audio plug, plastic	73.7 x 7.6 ID	4.89	4.00	3.92
281754	250	7	1/4" mono phone audio plug, plastic	73.7 x 7.6 ID	3.25	2.81	2.57
281746	12B	8	1/4" stereo phone audio jack	14.7 x 9.1 Dia.	1.79	1.48	1.39
281738	11	9	1/4" mono phone audio jack	12.8 x 9.1 Dia.	1.69	1.55	1.43
296892	12A	8	1/4" mono phone audio jack, metal	31.7 x 9.4 Dia.	1.75	1.61	1.59
297001	121	10	1/4" mono phone audio jack, metal	63.5 x 12.7 Dia.	7.49	7.29	7.09
568392	35RAPC4BH3	11	3.5mm stereo jack, RA hor., plastic	6.0H x 11.0W x 8.0D	★	Call	Call
1766180	35RAPC4BH2	11	3.5mm stereo jack, RV hor., plastic	5.0H x 12.0W x 15.0D	1.36	.90	.85

★ Please call or visit our website for minimum order quantity and pricing

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Connector Index

Red indicates new products found on these pages

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.084" Pin and Socket	WEB	CPC Circular Plastic Accessories	65 +WEB
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.098" Power	69, 74 +WEB	D-Sub, Crimp	66-68 +WEB
.100" AMPLATCH	76 +WEB	D-Sub, Hardware/Hoods/Housing	65, 68 +WEB
.100" Headers	69-71, 74-75, 77 +WEB	D-Sub, IDC/Solder Cup	66-67 +WEB
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.100" Receptacles	75 +WEB	Eurocard	78 +WEB
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2.54mm KK Series	70-71 +WEB	RF	83-85 +WEB
2.54mm Plugs	75 +WEB	Ribbon Cable	74-79 +WEB
2.54mm Receptacles	75 +WEB	Shorting Blocks	69 +WEB
3.00mm Micro-Fit	72 +WEB	Shunts	69 +WEB
3.96mm Headers and Housings	72-73 +WEB	SMA/SMB	83-85 +WEB
3.96mm KK Series	72 +WEB	Sockets	76, 78-82 +WEB
4.19mm Mini-Fit Jr.	73-74 +WEB	Solderless Terminals	87-88 +WEB
5.00mm Pin & Socket	74 +WEB	Telecom Splice	86 +WEB
5.08mm Disk Drive	74 +WEB	Telephone	59-61 +WEB
AT/ATX	74	Terminal Blocks	85-86 +WEB
Audio/Video	63-65, 83-85 +WEB	TNC	83 +WEB
BNC	83-84 +WEB	Tools	65, 68-71, 73-74, 76, 83, 86, 158 +WEB
Card Edge	78-79 +WEB	USB	80 +WEB
Centronics, IDC/PCB Right Angle	79	Wire	76, 86-87 +WEB
Centronics, 0.085" Density	78	XLR	64-65 +WEB
Coax	83-85 +WEB	Z-Pack	78
Computer	74, 77, 79-80 +WEB	ZIF	WEB

Switchcraft For more Switchcraft Audio Connectors visit www.Jameco.com



Additional Audio Connectors are available online at www.Jameco.com/Interconnect

Switchcraft®

Switchcraft is a leading supplier and manufacturer of electronic and electromechanical components for the audio, video, telecommunication, computer, medical, military, appliance, transportation and instrumentation industries. Their components include jacks, connectors, jack panels, plugs, jackfields, patch cords, power plugs, switches, EAC power receptacles and molded cable assemblies.

Power Plugs and Jacks

Switchcraft – For Highest Quality Connectors

Part No.	Product No.	Fig.	Description	Dimensions (mm)	1	10	50
281842	712A	11	2.5mm DC power jack, panel mount	15.8 x 7.5 Dia.	\$12.49	\$11.49	\$10.35
1768329	712RA	12	2.5mm DC power jack, PCB locking	19.6 x 10.9 Dia.	3.49	3.18	2.74
281851	722A	11	2.1mm DC power jack, panel mount	15.1 x 7.5 Dia.	2.29	2.09	1.99
297553	PC712A	13	2.5mm x 5.5mm DC power jack, metal	23.3 x 11.0 Dia.	3.09	2.35	2.10
297529	L712A	14	2.5mm x 5.5mm DC power jack, metal	23.3 x 11.0 Dia.	4.25	3.86	3.67
281877	760	15	2.5mm x 5.5mm DC power plug, plastic	9.6 x 36.3 x 5.7 Dia.	2.49	2.28	2.08
297617	S760	17	2.1mm x 5.5mm DC power plug, plastic	25.4 x 9.5 Dia.	2.49	2.28	2.17
297289	761K	16	2.5mm DC power plug, plastic locking	45.7 x 5.5 Dia.	4.39	3.54	3.24

Microphone (XLR) Connectors

Part No.	Product No.	Fig.	Description	Dimensions (mm)	1	10	100
277026	A3F	17	3-pin female, metal	82.5 x 5.3 Dia.	\$4.75	\$3.86	\$3.65
281560	A3M	18	3-pin male, metal	70.3 x 5.3 Dia.	4.09	3.74	3.55
281640	D3F	19	3-pin female, metal, panel mount	27.0W x 36.3H x 30.6D	5.69	4.72	4.15
281586	A4F	17	4-pin female, metal	82.0 x 5.5 Dia.	8.19	6.19	5.68
281594	A4M	18	4-pin male, metal	71.2 x 4.8 Dia.	5.19	4.58	4.21
281607	A5F	17	5-pin female, metal	82.0 x 4.7 Dia.	13.39	10.03	9.20
281615	A5M	18	5-pin male, metal	70.2 x 5.3 Dia.	10.45	8.96	7.58
281623	A6F	17	6-pin female, metal	80.2 x 4.6 Dia.	17.35	15.14	12.61
281703	D6F	19	6-pin female, metal, panel mount	27.0W x 26.3H x 30.6D	21.09	18.98	16.13
281711	D6M	20	6-pin male, metal, panel mount	27.0W x 36.3H x 30.6D	13.85	12.98	12.20



Fig. 11

Fig. 12

Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17

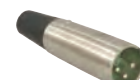


Fig. 18



Fig. 19



Fig. 20

AMP

Series 1 — Standard density, signal & low-current applications

- Accepts type III+; high-current type II & subminiature coax contacts
- Voltage rating: 600V (UL)



495146

495031

495103

Square Flange Receptacles with Mounting Holes

Part No.	Product No.	AWG	Finish	Type	1	10
495146	206043-1	17-14	Reverse	.....	\$2.39	\$2.15

Plugs

Part No.	Product No.	AWG	Finish	Type	1	10
495031	206044-1	17-14	Reverse	.....	\$2.89	\$2.61
495103	206708-1	13-9	Standard	.....	3.25	2.44
495082	206060-1	11-4	Standard	.....	2.45	2.33

Contacts

- Finish:
- A: 30µ" gold over nickel
- B: Tin-lead
- C: 15µ" gold over nickel



Pin

Socket

Type III+ Snap-In Crimp Pins w/ Retention Spring

- Crimp type except *P/N 526424 (solder type)
- Contact body – brass or phosphor bronze

Part No.	Product No.	AWG	Finish	Type	1	10
859835	66361-3	18-14	C	Pin	★	Call
526424	66180-1	18-16	A	Pin*	.90	.70
526432	66181-1	18-16	A	Socket	1.00	.75
526459	66103-3	24-20	C	Pin	.39	.37
526563	1-66103-5	24-20	B	Pin	.34	.303
526379	66105-3	24-20	C	Socket	.52	.485
526504	1-66105-6	24-20	B	Socket	.40	.304

Reel Contact

Part No.	Product No.	AWG	Finish	Type	1	10
968071	66102-9	24-20	A	Pin	★	Call

★ Please call or visit our website for minimum order quantity and pricing

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

CPC Circular Plastic Connectors

Size 20DF Contacts

- Finish: A: 30µ" gold over nickel; B: gold flash over nickel
- Contact body: brass



Pin

Socket

Pin

Socket

With Insulation Support Without Insulation Support
Minimum order 10 pieces

Part No.	Product No.	AWG	Finish	Type	10	100
223221	1-66505-0	28-24	B	Socket	\$1.88	\$1.58
223247	745253-6	26-22	A	Socket	.186	.168
223298	66504-9	24-20	A	Socket	.139	.129
223255	1-66504-0	24-20	B	Socket	.17	.15

† With insulation support

AMP CPC Accessories

Cable Clamps

Provides strain relief and can be used in all series receptacles and plugs.

- Material: thermoplastic black, UL94V-0 rated



494063

Part No.	Product No.	Shell Size	Cable O.D. (max.)	1	10
494047	206062-3	28	.329"	\$3.39	\$3.02
494039	206062-1	28	.329"	3.25	3.05
494063	206070-1	17	.453"	3.45	2.95
749919	206966-7	13	.453"	3.75	3.29
749839	206138-8	23	.703"	3.29	2.91

Heat Shrinkable Cable Entry Seals

Used w/ jacketed cables to provide an environmentally sealed wire-to-wire connector system. Can be used w/ either plugs or receptacles.

- Internal sleeve: nylon
- Outer tubing: polyolefin

Part No.	Product No.	Shell Size	Sealing Range (Dia.)	1	10
852043	54010-1	11	.26" - .60"	\$8.49	\$8.08
852060	54011-1	17	.40" - .875"	8.55	7.79



AMP Extraction Tool

- Works with general contacts of CPC, multimate and MATE-N-LOCK II contacts



Part No.	Product No.	1	10	100
841838	305183	\$17.85	\$16.07	\$14.47

4-40 Screw Hardware for D-Subminiature Connectors

4-40 x .187" Jack Screws and Standoffs

Part No.	Product No.	1	10	100	1000
108987	.515" L	.189"			
102795	6mm	5mm			
125015					

* Prepackaged: please order in increments of 10

Part No.	Description	1	10	100	1000
196293	.252"L jack screw	\$3.32	\$1.21	\$1.12	\$0.88
169931	.275"L jack screw	.21	.144	.115	.086
172603	.315"L jack screw	*	.15	.12	.09
102816	.435"L jack screw	.69	.65	.59	.53
108987	.515"L jack screw	1.05	.95	.76	.57
125015	4-40 x 1.65"L plastic beige thumbscrew	.20	.13	.12	.10
175636	.187"L standoff	*	.19	.15	.10
102795	.236"L (6mm) stdf	*	.25	.15	.12

4-40 Screw Sets

Part No.	Description	10	100	1000
102808	Screw/retainer set	\$4.93	\$4.44	\$3.33
16548	Screw/nut set	.74	.60	.402

102808: 4-40 screw (.385"L) and retainer set
16548: 4-40 x .187" jack screw (.31"L thread), washer, lock washer, and nut set

* Prepackaged: please order in increments of 10

Part No.	Description	10	100	1000
102808	Screw/retainer set	\$4.93	\$4.44	\$3.33
16548	Screw/nut set	.74	.60	.402



102808

16548

D-Sub Connectors & Accessories

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
HOUSE BRANDS
FACTORY OVERRUN

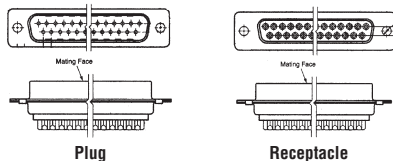
Additional Connectors are available online at www.Jameco.com/Interconnect

AMP D-Sub Connectors

- Dielectric withstanding voltage: 1000VAC (one min.)
- Low-cost, high-performance, precision formed crimp contacts
 - Insulation resistance: 5000MΩ
- Nylon, flame retardant, 94V-0 rated, glass filled
- UL/CSA recognized and certified
- Standard mounting method w/ 0.120" dia. holes

Connector with Solder-Cup Contacts

- Current rating: 1.2A to 3.0A
- Intermateable with other D-sub connectors
- One-piece 94V-0 rated plastic insert
- Preloaded duplex-plated solder-cup contacts
- Shields offer full EMI shielding and ESD insulation
- Anti-solder wicking contact design



Zinc-Plated Shell



222973



223036

Part No.	Product No.	Cont.	Description	1	10	100
222957	747904-4	9	Plug	\$2.19	\$1.83	\$1.46
222973	747912-4	25	Plug	4.39	3.72	2.99
223036	747905-4	9	Receptacle	3.05	2.57	2.02

Tin-Plated Shell



223010

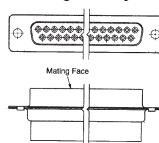


223079

Part No.	Product No.	Cont.	Description	1	10	100
222990	747904-2	9	Plug	\$1.79	\$1.73	\$1.64
223001	747908-2	15	Plug	2.89	2.69	2.44
223010	747912-2	25	Plug	3.89	3.27	2.61
223028	747916-2	37	Plug	4.29	3.99	3.70
223052	747905-2	9	Receptacle	2.35	2.09	1.60
223061	747909-2	15	Receptacle	4.15	3.59	3.06
223079	747913-2	25	Receptacle	4.09	3.69	2.72
223087	747917-2	37	Receptacle	7.79	6.50	5.21

Housing for Crimp-Type Contacts

- Current rating: 1.2A to 3.7A
- Intermateable with any size 20 D-sub dimensionally complying with MIL-C-24308
- Crimp snap-in contacts (use size 20DF, right) allows loading of only the number of contacts being used



NEW
MARKED IN PINK



222818

Tin-Plated Shell



222842



222922

Part No.	Product No.	Cont.	Description	1	10	100
222754	205204-3	9	Plug	\$1.49	\$1.28	\$0.96
222818	207464-2	25	Plug	.76	.68	.62
222789	205210-2	37	Plug	2.25	1.98	1.49
222842	205203-3	9	Recept.	.67	.56	.529
222914	205205-2	15	Recept.	.62	.57	.54
222922	207463-1	25	Recept.	.84	.68	.60

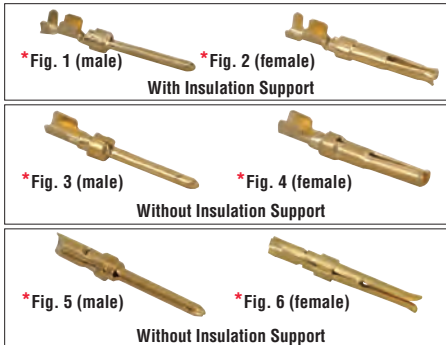
* With grounding indents

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

AMP D-Sub Contacts

- Material: pin: brass; socket: phosphor bronze
- Contact plating
 - *A: Select - gold flash over nickel on entire contact, with additional gold (0.000030") on mating end;
 - *B: Gold flash over nickel on entire contact;
 - *C: Gold flash on mating end, tin-lead on termination end, with entire contact nickel underplated
 - *D: Duplex plated 30μ" gold on mating end, tin/lead on crimp barrel
- For use with AMP D-sub connectors (see pg 66)



Size 20DF — Male Crimp Contact (Bulk)

Part No.	Product No.	Desc.*	AWG	10	100	1000
223108	66507-9	1A	28-24	\$1.68	\$1.58	\$1.49

Size 20DF — Tape and Reel

Part No.	Product No.	Desc.*	AWG	Price
860035	66506-4	3B	24-20	Call/Web

* Please call or visit our website for minimum order quantity and pricing

Size 20DF — Female Crimp Contacts

Part No.	Product No.	Desc.*	AWG	10	100	1000
223221	1-66505-0	2B	28-24	\$1.88	\$1.58	\$1.09
223247	745253-6	2A	26-22	.186	.168	.126
223255	1-66504-0	2B	24-20	.17	.15	.11
860001	66504-4	2B	24-20	.128	.085	.055
223271	5-66504-7	2C	24-20	.154	.149	.112
223298	66504-9	2A	24-20	.139	.129	.097

Size 20DF — Male Solder Contact

Part No.	Product No.	Desc.*	AWG	10	100	1000
234982	66570-3	5A	28-24	.. \$21	\$17	\$14

Size 20DF — Female Solder Contact

Part No.	Product No.	Desc.*	AWG	10	100	1000
223319	66569-3	6A	18 (max.)	.. \$25	\$237	\$194

Size 22DF — Female Crimp Contact

Part No.	Product No.	Desc.*	AWG	20K	60K	100K
974366	748610-2	4D	28-22	.. \$119	\$095	\$075

AMP AMPLIMITE™ Shield Enclosure Kit

- 25 position receptacle enclosure
- Expanding neck accommodates cable from 0.217" to 0.435" dia.
- Includes housing, 25-position HDP-20 receptacle and jackscrew
- Receptacle accepts 20DF type female contacts
- Enclosure: flame retardant rated UL94V-0, styrene polyolefin, black
 - Zinc alloy jack screws

Part No.	Product No.	1	10
837783	1658658-1	\$9.29	\$8.12



AMP Plastic Hoods for D-Sub Connectors

- Cable clamp type: clam shell
- Cable exit angle: straight
- Standard clam shell length
- Body material, cable support gate, and cable clamp: thermoplastic
- Screw material: steel
 - Screw plating: zinc



Part No.	Product No.	Positions	1	10	100
230893	205729-1	9	\$2.25	\$1.84	\$1.69

AMP AMPLIMITE 180° Exit Cable Clamp Kit

- 180° cable exit
- 861003: 0.480" max. dia. cable; carbon steel, zinc plated 4-40 hex nut & 4-40 mounting screws; steel zinc plated 4-40 screws, zinc alloy, nickel over copper cable clamps
- 755315/961215: zinc alloy, nickel over copper cable clamps, steel zinc plated w/ clear chromate coating head screws, hex nuts, & mounting screws, flexible PVC UL94V-0 rated black grommets (accepts 0.200", 0.240", 0.270" 0.310", & 0.350" dia. cables)



Part No.	Product No.	Position	1	10
961215	5478676-1	9	\$4.99	\$4.76
755315	5748676-3	25	6.25	5.11
861003	745173-2	25	8.19	7.02

AMP AMPLIMITE™ D-Sub Screw Lock Kit

- Zinc plated 200μ" - 400μ" clear chromate coating
- Includes 2 female screw locks (4-40 thread, 0.187" hex), 2 washers, 2 lock washers, 2 nuts

Part No.	Product No.	Length	1	10
850726	5205817-3	0.312"	\$1.55	\$1.36

KEYSTONE D-Sub Connector Jack Screws

- 4-40 threaded
 - Length: .312"
- Steel, zinc plated 1582508

Part No.	Product No.	Description	1	10	100
1582209	7230	Gold color	.. \$25	\$213	\$16
1582508	7230-5	Clear chromate	.29	.276	.246

3M D-Sub EMI Metal Junction Shell

- Provides EMI/ESD protection
- Material: steel with nickel plating
- Cover nut: glass filled polyester (PBT), UL94V-0 black
- For 9-position D-Sub connectors



Part No.	Product No.	Conn. Size	1	10	50
1576044	3357-9209	9	\$3.85	\$3.51	\$3.32

3M D-Sub & Ribbon Connector Mounting Hardware Kit

- Includes: 2 pcs. 4-40 UNC nut, lock washer, 0.03" dia. spacer, jack socket screw



Part No.	Product No.	Description	1	10
1575914	3341-1L	0.50" jack socket	.. \$1.75	\$1.63

Additional Connectors are available online at www.Jameco.com/Interconnect

3M D-Sub Plugs & Sockets

- Improved metal strain relief hooks directly to metal shell
- Low profile
- Contact material: copper alloy
- Plating: 100µ" nickel underplating; 30µ" gold wiping area
- Strain relief: stainless steel
- Shell: steel/tin plated
- Current rating: 1A
- Accepts 26-28AWG solid or stranded
- Open end; 0.120" diameter mounting style
- Insulation: glass filled polyester, gray, UL94V-0
- Insulation resistance: 1MΩ @ 500VDC
- Withstanding voltage: 1000VRMS



1577881

1577961

8200 Series Plugs

Part No.	Product No.	Positions	1	10	50
1577881	8209-6000	9	\$4.95	\$4.35	\$4.15

8300 Series Sockets

1577961	8309-6000	9	\$4.25	\$3.69	\$3.55
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CINCH D-Sub Metal Shells

Right Angle

- Insulator material: glass filled polyester (black) UL94V-0 rated
- Current: 5A
- Insulation resistance: 5000MΩ max. (initial)
- Durability: 500 mating cycles
- Contact material: socket – phosphor bronze (stamped); plugs – brass (stamped)
- Contact plating: gold flash, tin/lead on tails over nickel
- Metal shell: steel w/ tin plating (grounding indents on plugs)
- Contact resistance: 15mΩ max.
- 0.318" footprint
- Boardlock: brass w/ tin plating
- Female screw locks: brass w/ nickel plating
- Withstanding voltage: 1250VRMS



446483

With 4-40 threaded inserts

Part No.	Product No.	Positions	Gender	1	25
1775908	DEKL-9SAT-E	9	F	\$0.93	\$0.73
446483	DBKL-25SAT-E25	25	F	\$1.23	\$1.09

CINCH D-Sub Metal Junction Shell

- Shell material: zinc plated low carbon steel with yellow chromate finish
- Clamp & screw: zinc plated steel with yellow chromate finish
- Stop nut: zinc plated brass with yellow chromate finish
- Round clamp



Part No.	Product No.	Shell Size	Density	1	10
1775916	DA-20961	A	15	\$6.35	\$6.05

CINCH D-Sub Hardware

- Female screw locks: (2) washers, lockwasher, hex nut and screw locks are steel with zinc plating and yellow chromate finish
- Male screw locks: clip and screw are steel with zinc plating and yellow chromate finish



Part No.	Product No.	Description	Length	1	25
444912	D-20418-39	Screw lock F	0.628"	\$1.45	\$1.35

⬆ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

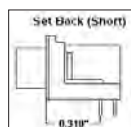
RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

D-Subminiature Connectors

- Metal shells are tin-plated for improved EMI/RFI shielding
- Insulation resistance: minimum 1000MΩ at 500VDC
- Dielectric withstanding voltage: 1000V (one minute)

- Current rating: 1A to 5A
- High temperature thermoplastic
- Insulation material: PBT

Right Angle PC Mount



Metal .318" Set Back

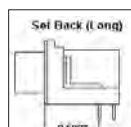
- Short style
- Lead length: .138"
- Lead spacing: .115"
- Current rating: 1A



15150

Part No.	Cross Ref. No.	Mfr.	Cont.	Gender	1	10	100
104943	DB9P318	ValuePro	9	M	\$0.61	\$0.56	\$0.50
104952	DB9S318	ValuePro	9	F	....66	.61	.54
71124	DA15P318	ValuePro	15	M	....69	.59	.55
77956	DA15S318	ValuePro	15	F	....79	.69	.66
71466	HDB15S318	ValuePro	15	F	....59	.53	.48
15150	DB25P318	ValuePro	25	M	....84	.67	.62
15182	DB25S318	ValuePro	25	F	....1.05	.94	.85
1945364	DSUB-25M	Various	25	M	....95	.85	.75
265439	DSUB-25F	Various	25	F	....89	.79	.65
71707	DC37P318	ValuePro	37	M	1.32	1.19	.96
78183	DC37S318	ValuePro	37	F	1.99	1.65	1.49

* High Density Blue Part No. = Limited Quantity Available



Metal .590" Set Back

- Lead length: .178"
- Lead spacing: .104"
- Current rating: 1A
- Long style



104978

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
104970	DB9P590	9	M	\$1.09	\$0.90	\$0.78
104978	DB9S590	9	F	1.09	.94	.70
104994	DA15S590	15	F	1.19	1.03	.71
105006	DB25P590	25	M	1.01	.91	.81
105014	DB25S590	25	F	1.55	1.32	1.00

IDC Ribbon Cable

- Current rating: 1 amp
- Insulation material: glass-filled polyester
- Temperature range: -55°C to +120°C
- Contact material: phosphor bronze
- Terminates with standard D-type connectors
- Shell: MD: metal; CD: plastic (see cross ref. no.)



12432

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
109226	MDB9P	9	M	\$1.49	\$1.38	\$1.21
12504	CDB9P	9	M	2.65	1.90	1.69
109218	MDB9S	9	F	1.69	1.34	1.17
12521	CDB9S	9	F	2.79	2.51	2.24
117381	MDA15P	15	M	1.99	1.59	.88
12299	CDA15P	15	M	1.85	1.57	1.18
116011	MDA15S	15	F	1.55	1.32	.99
12319	CDA15S	15	F	1.79	1.50	.73
115983	MDB25P	25	M	2.65	2.38	1.99
12335	CDB25P	25	M	1.99	1.79	1.49
115976	MDB25S	25	F	2.39	2.14	1.80
12432	CDB25S	25	F	2.29	2.11	1.64
115992	MDC37P	37	M	2.49	2.12	1.59
12466	CDC37P	37	M	3.69	3.52	3.29
116004	MDC37S	37	F	3.59	3.26	2.94
12483	CDC37S	37	F	3.89	3.32	2.49

† Requires flat cable w/ .0625" centers

Crimp-Type Connectors & Pins

- Connectors: metal shell; removable male/female crimp pins
- Male/female pins: gold plated contact; tinned crimp tail
- Insertion/extraction tool: exchangeable tips
- Use P/N 99443, pg 96, to crimp 43377, 43369

* Prepackaged: please order in increments of 10

Part No.	Description	1	10	100	1000
73189	DB9 M housing	\$0.49	\$0.39	\$0.31	\$0.19
73197	DB9 F housing	....49	.39	.31	.19
73200	DA15 M housing	....85	.74	.67	.60
73219	DA15 F housing	....75	.68	.60	.45
180882	HDB15 M housing	....87	.79	.64	.48
180890	HDB15 F housing	1.01	.91	.73	.55
38789	DB25 M housing	....68	.528	.432	.252
38771	DB25 F housing	....55	.44	.31	.21
43377	M crimp pin	*	.105	.095	.085
43369	F crimp pin	*	.08	.07	.06
185421	M crimp pin (180882)	....*	.055	.045	.04
185412	F crimp pin (180890)	....*	.055	.05	.04
19094	Insert/extract. tool for above pins (HT101)	3.65	3.21	2.99	2.49

* High Density

Metal Solder-Cup

- Compatible with 24 AWG communications pg 56, and 22 AWG solid cable, pg 55



203799

Part No.	Mfg.	Cont.	Gender	1	10	100
15748	ValuePro	9	M	\$0.61	\$0.47	\$0.38
15771	ValuePro	9	F	....66	.55	.49
15078	ValuePro	15HD	M	....81	.70	.58
164823	ValuePro	15HD	F	....80	.70	.60
15035	ValuePro	15	M	....59	.532	.456
15052	ValuePro	15	F	....65	.535	.426
15115	ValuePro	25	M	1.08	.97	.86
15157	ValuePro	25	F	....99	.85	.75
482708	Amphenol	25	F	....69	.59	.49
203799	ValuePro	26HD	M	....65	.59	.472
203782	ValuePro	26HD	F	....75	.68	.54
15472	ValuePro	37	M	....99	.85	.79
15499	ValuePro	37	F	1.39	1.21	.98
482724	Amphenol	37	F	....99	.79	.65
15676	ValuePro	50	M	1.99	1.79	1.43
15691	ValuePro	50	F	1.89	1.48	1.41

* High Density

Metal Straight PC Mount

- Non-removable contacts
- Current rating: 5A
- Operating temperature: -65° to +250°F
- 125 V_{RMS}

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
111692	DB9PPCB	9	M	....65	\$0.502	\$0.357
15781	DB9SPCB	9	F	....68	.56	.39
176760	DA15PPCB	15	M	....51	.413	.379
176752	DA15SPCB	15	F	....75	.65	.473
15123	DB25PPCB	25	M	....75	.65	.57
15166	DB25SPCB	25	F	....89	.81	.47
180021	DC37SPCB	37	F	1.09	.93	.70

More at www.Jameco.com

D-Sub & Power Connectors

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
JAMECO HOUSE BRANDS
FACTORY OVERRUN

Additional D-Sub Connectors are available online at www.Jameco.com/Interconnect

D-Sub Connector Hoods

JAMECO ValuePro

15086 Plastic **25620 Metallized**

QUANTITY SAVE

- Use with D-sub solder cup and housing style connectors (hardware included)

JAMECO EXCLUSIVE

D Series: plastic hood with strain relief (gray)
MD Series: metal coated plastic hood w/ strain relief
MH Series: die-cast metal hood with strain relief

Part No.	Cross Ref.	Connector	1	10	100	1000
15722	DB9H	9-pin	\$.55	\$.51	\$.44	\$.39
25620	MDB9H	9-pin	.69	.56	.445	.399
147741	MHDB9	9-pin	1.59	1.43	1.27	1.10
15019	DA15H	15-pin	.69	.64	.57	.497
25567	MDA15H	15-pin	.75	.56	.45	.39
15086	DB25H	25-pin	.54	.468	.42	.384
25604	MDB25H	25-pin	.75	.60	.509	.424
15106	MHDB25	25-pin	1.69	1.48	1.37	1.03
15457	DC37H	37-pin	.78	.70	.56	.42
25612	MDC37H	37-pin	.89	.80	.68	.61
15660	DD50H	50-pin	1.03	.88	.78	.67

Non-Insulated Terminal D-Sub Crimping Tool

14-26 AWG

- Heavy-duty metal tool with cutter and insulated handles
- For computer pins and sockets, D-sub 26-28 AWG wire
- For butt-insulated connectors, 22-26 AWG wire
- For telephone spade lugs, 22-26 AWG wire
- For non-insulated connectors, 20-22 AWG wire
- For non-insulated connectors, 14-18 AWG wire
- Coiled spring return
- Size: 7.3"L x 1.5"W

Part No.	Product No.	1	10	25
99443	HT202A	\$9.49	\$8.49	\$7.75

AMP D-Sub Pin Insertion/Extraction Tools

19094/527582: Plastic body; metal tips

223327: Handle with .050" hex wrench and exchangeable tips

Part No.	Description	1	10
527582	AMP# 91067-1	\$6.89	\$6.55
223327	AMP# 91285-1	19.99	18.99
19094	Red/white plastic body*	3.65	3.21

* Jameco ValuePro version

AMP AMPLIMITE™ .050" Series 2 Type B Header

NEW MARKED IN PINK

- Right angle plug
- Housing: PBT black
- Cap shields: zinc, nickel over copper
- Contacts: phosphor bronze, 0.76µm gold in contact area, tin in solder area

Part No.	Product No.	Positions	1	10
749417	2-5174225-5	68	\$24.89	\$20.74

molex For Molex .050" Receptacles visit www.Jameco.com

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product Ⓢ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

AMP AMPLIMITE™ D-Sub Connectors

740105

614125 614248 614504 863658 614301 614387 614344

- Housing: 94V-0 rated thermoplastic, black
- Plating: A: 30µ" gold mating end, tin-lead terminating end B: gold flash mating end, tin-lead terminating end C: 30µ" gold on mating area, 100µ" bright tin-lead on terminating end D: 30µ" gold in mating end, 120µ" tin in solder area E: tin-lead
- Front shell: steel, tin-plated
- Contacts: 1) brass; 2) phosphor bronze

HD-20 Right Angle PCB Mount, 0.318" Setback Without Board Locks, w/ Thread Inserts

Part No.	Product No.	Contact/Plating	Pos.	Gender	1	25
614125	745781-4	2A	9	F	\$2.35	\$2.21
614248	745250-4	1A	9	M	2.19	2.06

Without Board Locks, w/ Fixed Female Screw Locks

863519	747250-6	1A	9	M	\$6.89	\$5.77
862612	745781-6	2A	9	F	4.99	4.62

With Board Locks, w/ Thread Inserts

614504	747844-4	2A	9	F	\$2.05	\$1.91
960837	5747840-3	1D	9	M	2.09	1.72
614441	747840-4	1A	9	M	1.45	1.29
614539	747845-4	2A	15	F	1.79	1.65
614547	747846-3	2B	25	F	2.55	2.15

With Board Locks, w/ Fixed Female Screw Locks

837636	747846-5	2B	25	F	\$2.65	\$2.55
853290	5747844-6	2C	9	M	2.69	2.25
853231	5747840-6	1A	9	M	3.25	2.70

HD-20 Straight Posted PCB Connectors

With 4-40 Insert

Part No.	Product No.	Contact/Plating	Pos.	Gender	1	10
837409	2-5748003-0	1D	9	M	\$4.35	\$3.80
755286	5747871-8	1D	9	M	6.89	5.77
862997	745968-8	1A	25	M	7.85	7.05
863658	747301-8	1A	37	F	8.79	7.91
863711	747375-8	1A	37	M	9.75	8.78

With Retention 4-40 Insert

838487	2-747706-0	2A	9	F	\$4.85	\$4.35
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With Standard Mounting Holes

863594	747301-2	1A	37	F	\$10.05	\$8.78
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With Grounding Indents

862049	745410-9	1A	9	M	\$5.35	\$4.67
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HD-20 Low Profile Metal Shell (For Round Conductor Flat Ribbon Cable) With Standard Mounting Holes

Part No.	Product No.	Contact/Plating	Pos.	Gender	1	10
614301	747303-2	2C	25	F	\$7.25	\$5.44
614344	747306-2	2C	25	M	7.05	6.31

Thermoplastic Body with Standard Mounting Holes

614387	747318-4	2C	9	F	\$4.29	\$3.85
614408	747321-4	2C	9	M	4.85	4.62

HDP-20 Crimp Snap-In Contact Connector With 4-40 Threaded Inserts

Part No.	Product No.	Plating	Pos.	Gender	1	10
838989	207516-3	E	25	F	\$4.95	\$3.83

HD-22 Right Angle Posted 0.318" Setback w/ Board Locks & Threaded Inserts

Part No.	Product No.	Plating	Pos.	Gender	1	10
1405333	5749767-1	2D	15	M	\$4.15	\$3.33

0.350" setback w/ 4-40 Screw Locks

740105	1-470250-1	1D	15	M	\$1.24	\$1.13
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0.350" setback w/ 4-40 Threaded Inserts

740113	1-734530-3	2D	15	F	\$1.69	\$1.61
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Accessory

Short Screw Lock

- 4-40 thread w/ clear chromate
- 0.250" long

Part No.	Product No.	5	100
839252	5207953-3	\$1.81	\$1.67

Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost!

molex .062" (1.57mm) Power Connectors

NEW MARKED IN PINK

224485 229948 224400 229956

- Passive friction lock
- Housing: nylon; UL94V-2
- Voltage: 250V
- Current: 5.0A
- Polarized housing assures proper mating
- Dielectric withstanding voltage: 1500VAC_{RMS}
- Contact retention to housing: 20 lbs. minimum
- Temperature range: -40°C to +105°C

Plugs

Part No.	Product No.	Circuits	1	10	100
224485	03-06-2023	2	\$3.30	\$1.18	\$1.15
229948	03-06-2024	2	.20	.161	.15
224506	03-06-2042	4	.24	.223	.206
224514	03-06-2044	4	.39	.303	.263
230041	03-06-2062	6	.47	.26	.24

Receptacles

Part No.	Product No.	Circuits	1	10	100
224400	03-06-1023	2	\$2.28	\$2.33	\$1.67
229956	03-06-1022	2	.31	.16	.14
224418	03-06-1032	3	.31	.19	.16
229972	03-06-1038	3	.18	.135	.112
224426	03-06-1042	4	.51	.417	.298
224434	03-06-1044	4	.36	.274	.261
224442	03-06-1062	6	.54	.336	.30
224451	03-06-1092	9	.24	.21	.201

Additional Power Connectors are available online at www.Jameco.com/Interconnect

molex® .062" (1.57mm) & .093" (2.36mm) Contacts

- Contact: brass or phosphor bronze
- Temp. range: -40°C to +105°C
- Tin plating

Crimp-Type Contacts



.062" (1.57mm) Minimum order 10 pieces

Part No.	Product No.	Gender	AWG	10	100	1000
224565	02-06-2103	M	18-24	\$.18	\$.057	\$.038
224581	02-06-2132	M	24-30	\$.188	\$.05	\$.04
224557	02-06-1103	F	18-24	\$.18	\$.057	\$.038
224573	02-06-1132	F	24-30	\$.093	\$.075	\$.062

.062" (1.57mm) Reels

Part No.	Product No.	Gender	AWG	10	100	1000
734645	02-06-2101	M	18-24	\$.025	\$.024	\$.023
734637	02-06-1101	F	18-24	\$.027	\$.024	\$.021

.093" (2.36mm)

Part No.	Product No.	Gender	AWG	10	100	1000
224207	02-09-2118	M	18-22	\$.19	\$.06	\$.04
224223	02-09-2103	M	14-20	\$.18	\$.059	\$.04
224215	02-09-1119	F	18-22	\$.20	\$.07	\$.04
224231	02-09-1104	F	14-20	\$.18	\$.059	\$.042

.093" (2.36mm) Reel

Part No.	Product No.	Gender	AWG	Price
734733	02-09-2101	M	14-20	★ Call/Web

★ Please call or visit our website for minimum order quantity and pricing

Solder-Tail Contact

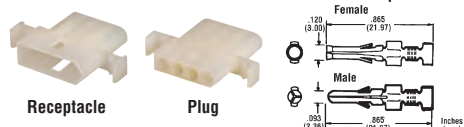
.093" (2.36mm)

Part No.	Product No.	Gender	10	100	1000
224258	02-09-1134	Female	\$.20	\$.16	\$.12

molex® .093" Power Connector

Assortment kit contains mating sets of housings and pins.

- 2 each 4-pin plugs & receptacles, 10 each female and male contacts
- Temp. range: -40°C to +105°C
- Volt.: 250VAC • Current: 9A



Includes: Male and female tin-plated standard brass .010" pins; 18-22 AWG crimp size wire

Part No.	Product No.	Description	1	10	50
142201	1490	4-pin kit	\$5.09	\$4.32	\$3.24

Hand Crimp Tools

Designed to crimp terminals, strip and cut wires, and cut bolts. For Molex .062" & .093" crimp pin terminals and KK® series on pages 71 - 72.



308030: Cuts & strips 14-24 AWG wires

227491: Cuts & strips 18-30 AWG wires

Part No.	Product No.	Length	Color	1	5
308030	W-HT-1919	8.3"L	Red	\$14.99	\$13.99
227491	W-HT-1921	8.3"L	Yellow	\$14.99	\$13.99

★ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

molex® .093" (2.36mm) Power Connectors

- Passive friction lock
- Voltage: 250V
- Temperature range: -40°C to +105°C
- Dielectric withstanding voltage: 1500VAC_{RMS}
- Contact retention to housing: 20 lbs. minimum
- Housing: nylon; UL94V-2
- Current: 12A per circuit

Plugs

Part No.	Product No.	Circuits	1	10	100
224071	03-09-2022	2	\$.30	\$.25	\$.18
224080	03-09-2032	3	\$.41	\$.32	\$.21
229825	03-09-2049	4	\$.46	\$.40	\$.30
224101	03-09-2062	6	\$.49	\$.42	\$.315

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
230148	03-09-2041	4	\$.36	\$.238	\$.179

*In-line **Grid

Receptacles

Part No.	Product No.	Circuits	1	10	100
224143	03-09-1022	2	\$.30	\$.25	\$.18
224151	03-09-1032	3	\$.44	\$.25	\$.16
224160	03-09-1042	4	\$.39	\$.299	\$.224
229817	03-09-1049	4	\$.34	\$.289	\$.218
224186	03-09-1094	9	\$.83	\$.71	\$.468

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224143	03-09-1022	2	\$.30	\$.25	\$.18
224151	03-09-1032	3	\$.44	\$.25	\$.16
224160	03-09-1042	4	\$.39	\$.299	\$.224
229817	03-09-1049	4	\$.34	\$.289	\$.218
224186	03-09-1094	9	\$.83	\$.71	\$.468

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
230113	03-09-1027	2	\$.19	\$.15	\$.13

*In-line **Grid

Connector Extraction Tools

Part No.	Product No.	AWG	1	5
142156	W-HT-2285	18-30	\$14.49	\$13.49
227467	W-HT-2023	18-30	11.99	10.99
142236	W-HT-2038	14-30	14.49	13.49
227395	W-HT-2054	14-30	12.59	11.54

AMP .098" (2.36mm) Post Header

Horizontal Mount

- Housing: 6/6 nylon, UL94V-0
- Posts: brass/tin

Part No.	Product No.	Position	1	10	100
742320	171826-4	4	\$.52	\$.49	\$.46

AMP .100" AMPMODU™ Shunt

2-Position Low Profile

- 94V-0 rated housing
- Contacts: phosphor bronze
- One-piece contact construction
- High normal forces
- Red

Part No.	Product No.	Plating	10	100	500
841467	881545-2	5µ" gold	\$.151	\$.121	\$.115

molex® .100" (2.54mm) C-Grid® Shunt/Jumper

- Voltage: 250V
- Current: 5.0A
- Contact res.: 15mΩ max., gold
- Dielectric w/standing volt.: 1500V
- Contact/plating: phosphor bronze, 15µ" gold
- Housing: glass filled nylon polyester, UL94V-0
- Insulation res.: 100k mΩ min.
- Open top

Part No.	Product No.	Positions	5	50
741503	15-29-1024	2	\$.233	\$.212

JAMECO ValuePro .100" & 2mm Shorting Blocks



- Mates to .025" square posts on .100" centers
- Shorts headers/jumper blocks or color codes strip line plugs
- Pin material: phosphor bronze
- Open: open on top to allow for a test point
- Closed: closed top 119264: 2mm (for disk drives)
- Prepackaged: please order in increments of 10

Part No.	Description	10	100	1000
22023	Top open, black (.100")	\$.12	\$.09	\$.06
119264	Top open, black (2mm)	\$.15	\$.13	\$.096
112424	Top open, blue (.100")	\$.13	\$.099	\$.067
112417	Top open, red (.100")	\$.12	\$.09	\$.06
19141	Top closed, black (.100")	\$.12	\$.09	\$.06
112442	Top closed, blue (.100")	\$.12	\$.09	\$.06
112432	Top closed, red (.100")	\$.20	\$.18	\$.12
152671	Top closed, black (.100")	\$.19	\$.15	\$.12

molex® C-Grid™ .100" (2.54mm) Pitch Breakaway Header

Dual Row, Vertical, High Temperature

- Voltage: 250V
- Height: .220"
- Contact resistance: 15mΩ max.
- Contacts: phosphor bronze
- Dielectric w/standing voltage: 1500V
- Insulation resistance: 1000MΩ min.
- Current: 3A

Part No.	Cross Ref.	Positions	1	10	100
514466	10-89-7102	10	\$.65	\$.57	\$.421

JAMECO ValuePro .100" (2.54mm) Male Breakaway Headers

- Insulation resistance: 1,000MΩ min.
- Voltage rating: 250VDC
- Current rating: 3A
- Contact resistance: 20mΩ initial max
- Contact: 0.64mm (0.025") square
- Withstanding voltage: 500VAC/1 minute
- Housing: glass filled polyester, black (UL94V-0)

Tin Straight Single Row

- (A) .348"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
686233	22-28-4070	7	\$.35	\$.316	\$.292
687105	22-28-4100	10	\$.56	\$.494	\$.475

Gold Straight Single Row

- (A) .286"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
685935	22-28-4125	12	\$.249	\$.219	\$.208

⊗ Blue Part No. = Limited Quantity Available

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Headers & Housings

Additional Headers are available online at www.Jameco.com/Interconnect

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	GENERIC & NON-FRANCHISED	HOUSE BRANDS	FACTORY OVERRUN

JAMECO ValuePro

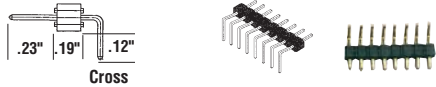
.100" (2.54mm) Male Solid Headers (Gold)

JAMECO
EXCLUSIVE

- Solder to PC boards for instant plug-in access via shorting blocks, pg 69
- Insulator: UL94V-0 polyester
- Contact material: phosphor bronze
- .025" square posts on a .100" x .100" matrix
- Current rating: 1 amp • Contact area: gold
- Snap apart to fit your application
- Temperature range: -55°C to +120°C
- Use with crimp connector housing, pg 76

QUANTITY
SAVE

.100" Right Angle Single Row Male Header



Part No.	Ref. No.	Contacts	1	10	100	1000
103271	RMH36R	36	\$.92	\$.79	\$.71	\$.50

.100" Straight Double Row Male Headers



Part No.	Cross Ref. No.	Contacts	1	10	100	1000
115027	923804DS⊕	4	* \$1.14	\$1.12	\$0.9	
115035	923806DS	6 .....23	.211	.187	.164	
109517	923808DS⚡	8 .....25	.23	.18	.16	
67821	923810DS⚡	10 .....35	.29	.25	.19	
203810	923812DS⊕	12 .....60	.55	.49	.44	
118456	923814DS⚡	14 .....45	.40	.36	.33	
109568	923816DS	16 .....55	.49	.45	.39	
53480	923820DS⚡	20 .....65	.57	.49	.46	
203836	923822DS⊕	22 .....70	.65	.59	.49	
203844	923824DS⊕	24 .....70	.65	.59	.49	
203852	923828DS⊕	28 .....75	.69	.55	.39	
203861	923832DS⊕	32 .....80	.74	.59	.52	
53517	923834DS⚡	34 .....85	.78	.69	.62	
203888	923836DS⚡	36 .....96	.87	.70	.516	
203895	923838DS	38 .....89	.80	.72	.54	
53560	923850DS⚡	50 .....72	.62	.55	.413	
68574	923860DS⊕	60 .....79	.71	.57	.423	
103405	923872DS⊕⊕	72 .....94	.83	.76	.64	
117197	923880DS⚡	80 ....1.08	.96	.90	.78	

Great Prices on Factory Over Runs from Other Mfrs.

53495	923826DS	26	.....	\$.35	\$.29	\$.23	\$.17
53532	923840DS	40	.....	.59	.55	.45	.29

Blue Part No. = Limited Quantity Available

molex® .100" (2.54mm) Pitch SL™ Wire-to-Board Shrouded Headers, .120" Pocket

- Voltage: 250V • Current: 3.0A
- Contact resistance: 15mΩ max.
- Insulation resistance: 1000MΩ min.
- Dielectric w/standing voltage: 1500V
- Housing: black glass filled PTC, UL94V-0
- Contact: phosphor bronze, 0.025" square



Single Row, Vertical, 15μ" Gold

Part No.	Product No.	Positions	1	10	100
884627	70543-0001R	2	\$.71	\$.69	\$.55
884643	70543-0002R♠	3 .....	.80	.67	.53
884660	70543-0003R♠	4 .....	.76	.73	.69
884686	70543-0004R♠	5 .....	.87	.79	.72
884715	70543-0005R♠	6 .....	.89	.84	.78
1933620	70543-0006R♠	7 .....	.81	.75	.70
1933638	70543-0007♠	887	.80	.75

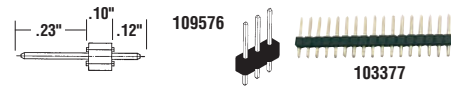
Single Row, Rt. Angle Low Profile, 15μ" Gold

884731	70553-0001R	2	\$.65	\$.57	\$.49
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▲ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

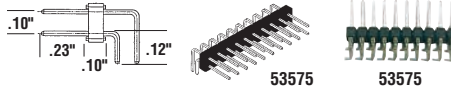
RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

.100" Straight Single Row Male Headers



Part No.	Cross Ref. No.	Contacts	1	10	100	1000
108338	SMH02R	2	\$.20	\$.16	\$.14	\$.13
109576	SMH03R	3 .....	.20	.17	.15	.135
117560	SMH04R	4 .....	.21	.17	.15	.135
153700	SMH06R	6 .....	.22	.17	.15	.135
153702	SMH08R	8 .....	.22	.198	.158	.119
103393	SMH10R	10 .....	.24	.20	.16	.12
103377	SMH17R	17 .....	.28	.16	.14	.13
103369	SMH20R	20 .....	.30	.27	.248	.22
202825	SMH22	22 .....	.39	.36	.29	.21
103351	SMH25R	25 .....	.40	.266	.224	.171
103342	SMH30R	30 .....	.42	.378	.30	.226
68339	SMH36⊕	36 .....	.44	.399	.357	.268
160882	SMH40R	40 .....	.57	.52	.47	.42

.100" Right Angle Double Row Male Headers



Part No.	Cross Ref. No.	Contacts	1	10	100	1000
203908	923804DR⊕	4 \$.42	\$.378	\$.302	\$.226	
203917	923806DR⊗	6 ..... .49	.44	.352	.264	
203924	923808DR⊕	8 ..... .49	.44	.352	.264	
203932	923810DR⊕	10 ..... .69	.62	.496	.372	
203959	923814DR⊕	14 ..... .65	.58	.47	.352	
203967	923816DR⊕	16 ..... .78	.71	.64	.516	
53575	923820DR⊕	20 ..... .69	.64	.58	.51	
53584	923826DR⊗	26 ..... .75	.65	.53	.398	
53605	923840DR⊗	40 ..... .89	.79	.60	.53	
53612	923850DR⊕	50 ..... .95	.81	.62	.465	
103413	923872DR⊕	72 1.15	.99	.89	.75	
139563	923880DR⊕	80 1.49	1.25	1.15	1.05	

molex® .100" (2.54mm) Pitch SL™ Wire-to-Board Crimp Housings

- Housing: black glass filled polyester, UL94V-0



* Minimum order 10 pieces

Single Row Version A, Non-polarized

Part No.	Product No.	Positions	1	10	100
884301	50-57-9002R ♠	2	\$.52	\$.46	\$.30

Single Row Version A, without Mounting Ears

1933574	70107-0002R	2	.....	* \$2.01	\$.188
1933582	70107-0003R	3	.....	* .242	.225

Single Row Version G, Positive Latch

884328	50-57-9402R	2	.....	\$.37	\$.349	\$.314
884344	50-57-9403R	3	.....	*	.224	.21
884379	50-57-9404R	4	.....	.37	.34	.32
884395	50-57-5405R	5	.....	*	.141	.132

molex® .100" (2.54mm) Pitch SL™ Crimp Terminals

- Volt.: 250V • Current: 3.0A
- Insulation res.: 10,000MΩ min.
- Contact res.: 15mΩ max.
- Contact: copper alloy



Plating:

- A: 30μ" gold in select area over 50μ" min. nickel overall with 75μ" tin in select area
- B: 15μ" gold in select area over 50μ" min. nickel overall with 75μ" tin in select area
- C: 150μ" tin over 50μ" nickel overall

Female Crimp Pin (Bulk)

Minimum order 10 pieces

Part No.	Product No.	AWG	Plating	10	100
741685	16-02-0103R	22-24	B	\$.09	\$.08

Female Crimp Pins (Reel)

741677	16-02-0086R	22-24	C	.....	\$.031	\$.029
741693	16-02-0088R	22-24	A	.....	* Call	

* Please call or visit our website for minimum order quantity and pricing

molex® KK® Series .100" (2.54mm) Female Housings

- Voltage: 250V
- Contact resistance: 20mΩ max.
- Insulation resistance: 50KΩ
- Dielectric withstanding voltage: 1500VAC
- Housing Material:
- Contact retention to housing: 8 lbs. min.
- Contact insertion force: 1.5 lbs. max.
- Housing: nylon, UL94V-0
- Operating temperature: 0 to 75°C



Housing w/Locking Ramp

* Minimum order 10 pieces

Part No.	Product No.	Positions	1	10	100
234704	22-01-2027R	2	* \$1.65	\$1.08	
234712	22-01-2037R	3 .....	.29	.20	.12
234721	22-01-2047R	4 .....	.29	.24	.15
234739	22-01-2057R	5 .....	.33	.28	.17
234747	22-01-2067R	6 .....	.36	.32	.20
234771	22-01-2107R	10 .....	.61	.53	.398

Housing with Locking Ramp & Polarizing Ribs

Part No.	Product No.	Positions	1	10	100
234798	22-01-3027R	2	\$.29	\$.17	\$.10
234801	22-01-3037R	3 .....	.22	.188	.141
878446	22-01-2035R	3	* .384	.32	
234819	22-01-3047R	4 .....	.33	.287	.188
234827	22-01-3057R	5 .....	.36	.314	.21
234835	22-01-3067R	6 .....	.38	.237	.224
234851	22-01-3087R	8 .....	.57	.50	.334
234878	22-01-3107R	10 .....	.69	.59	.443

molex® KK® Series Hand Crimp Tool

- Works with KK series 0.100" crimp terminals
- Small handle spread which make this style tool ideally suited for end users
- Ratchet safety release that ensures consistent performance
- Precision end user friendly terminal locator wire stop holds terminals in the proper crimping position



Part No.	Product No.	Description	1	10
739518	11-01-0185R	Hand crimp tool	\$257.55	\$244.68

molex

KK® Series .100" (2.54mm) Crimp Terminals

- Current: phosphor bronze – 4.0A max., brass – 2.5A max.
- Insulation range: 0.062" (1.58mm) diameter max.
- Accommodates 22 to 30 AWG
- Material: 736456/736501/234923/234931/1297803: brass; 736456 736595/462969/463005: phosphor bronze



Bulk

Minimum order 10 pieces

Part No.	Product No.	Plating	10	100	1000
736456	08-50-0005	Tin/copper	\$.135	\$.122	\$.07
736501	08-50-0113	Tin	..... .088	..... .078	..... .069
234923	08-50-0114	Tin	..... .065	..... .048	..... .029
234931	08-55-0102	15µ" gold	..... .22	..... .17	..... .11
736595	08-52-0123	Tin	..... .088	..... .078	..... .069
462969	08-65-0805	Tin (cat ear)	..... .119	..... .106	..... .088
463005	08-65-0816	15µ" gold	..... .147	..... .14	..... .133

Reel

NEW MARKED IN PINK

Part No.	Product No.	Plating	1000	10,000
1929516	08-50-0113	Tin	..... \$ .015	..... \$ .014
736616	08-55-0101	15µ" gold	..... ★	Call/Web
1297803	08-56-0109	15µ" gold	..... ★	Call/Web

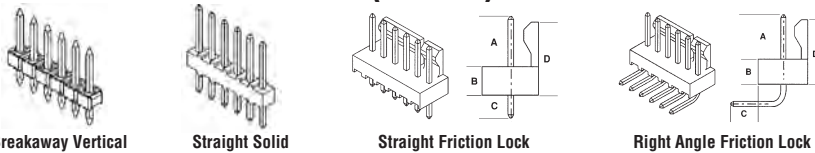
★ Please call or visit our website for minimum order quantity and pricing

Polarizing Peg

Part No.	Product No.	Plating	10	100	1000
741327	15-04-9209	—	..... \$ .08	..... \$ .071	..... \$ .052

molex

KK® Series .100" (2.54mm) Male Headers



- Voltage: 250V
- Current: 4.0A
- Contact resistance: 20mΩ max.
- Housing: nylon, UL94V-0
- Dielectric withstanding voltage: 1500V
- Insulation resistance: 50,000MΩ min.
- Contact: brass, 0 – 6.4mm (0.25") square
- Durability: 100 cycles max. (tin: 25 cycles max.)

Breakaway Headers Vertical

- Dimensions: (A) .740"; (B) .100"; (C) .125"
- Phosphor bronze

Minimum order 5 pieces

Part No.	Product No.	Positions	5	50
879406	22-28-4020	2 (tin)	..... \$ .225	..... \$ .203
879422	22-28-4023	2 (15µ" gold)	..... .225	..... .202

Straight Solid Header (Gold)

- Dimensions: (A) .295"; (B) .130"; (C) .135"

Minimum order 5 pieces

Part No.	Product No.	Positions	5	100
878868	22-10-2021	2	..... \$ .132	..... \$ .124

Straight Friction Lock Headers (Gold)

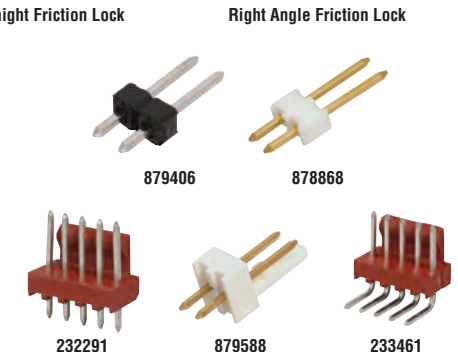
- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233584	22-11-2022	2	..... \$ .54	..... \$ .46	..... \$ .29
233592	22-11-2032	3	..... .85	..... .74	..... .47
233621	22-11-2062	6	..... 1.34	..... 1.14	..... .86

Straight Friction Lock Headers (Tin)

- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

Part No.	Product No.	Positions	1	10	100
232266	22-23-2021	2	..... \$ .29	..... \$ .23	..... \$ .15
232274	22-23-2031	3	..... .35	..... .30	..... .19
232282	22-23-2041	4	..... .42	..... .36	..... .23
232291	22-23-2051	5	..... .49	..... .432	..... .291
232303	22-23-2061	6	..... .55	..... .48	..... .31
232320	22-23-2081	8	..... .72	..... .63	..... .41
232338	22-23-2091	9	..... .76	..... .65	..... .488
232346	22-23-2101	10	..... .80	..... .71	..... .53
232354	22-23-2121	12	..... .94	..... .72	..... .67
879174	22-23-2141	14	..... .56	..... .54	..... .52



Straight Friction Lock Headers (Tin)

- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .460"

Minimum order 5 pieces

Part No.	Product No.	Positions	5	50
879254	22-27-2021	2	..... \$ .283	..... \$ .272
879271	22-27-2031	3	..... .248	..... .192
879300	22-27-2041	4	..... .46	..... .44
879342	22-27-2061	6	..... .353	..... .294
879369	22-27-2071	7	..... .407	..... .37
879385	22-27-2081	8	..... .441	..... .323

Straight Friction Lock Headers (Gold)

- Dimensions: (A) .295"; (B) .165"; (C) .140"; (D) .460"

Minimum order 5 pieces

Part No.	Product No.	Positions	1	10	100
879588	22-29-2021	2	..... \$ .50	..... \$ .47	..... \$ .45
879617	22-29-2031	3	..... .55	..... .52	..... .49

Right Angle Friction Lock Headers (Tin)

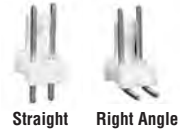
- Dimensions: (A) .260"; (B) .125"; (C) .141"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233437	22-05-3021	2	..... \$ .42	..... \$ .36	..... \$ .22
233445	22-05-3031	3	..... .43	..... .406	..... .396
233453	22-05-3041	4	..... .55	..... .423	..... .317
233461	22-05-3051	5	..... .77	..... .66	..... .495
233470	22-05-3061	6	..... .85	..... .74	..... .48
233496	22-05-3081	8	..... .82	..... .69	..... .52

AMP

MTA-100 .100" (2.54mm) Solid Headers

- 0.025" square posts
- Tin-plated
- Housing: nylon UL94V-0 rated, white polyester
- Posts: copper alloy, tin plated



Straight Friction Lock

* Minimum order 5 pieces

Part No.	Product No.	Positions	1	5	100
613931	640456-2	2	..... *	\$ .063	\$.058
613940	640456-3	3	..... .20	..... .079	..... .075
741968	1-640456-6	16	..... 1.65	..... 1.15	..... 1.02
741925	1-640456-0	10	..... *	..... .245	..... .217

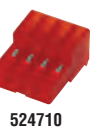
Right Angle Friction Lock

Part No.	Product No.	Positions	1	5	100
854946	640457-8	8	..... *	..... \$ .155	..... \$ .147

AMP

MTA-100 .100" (2.54mm) IDC Connectors

- Voltage rating: 250VAC
- Current rating: 5A
- Low-level resistance: 6mΩ max. initial
- Dielectric withstand: 750VAC/1 min.
- Insulation resistance: 50kMΩ min.
- Contacts: phosphor bronze, tin-plated



Closed-End Style

Without Polarizing Tabs w/ Locking Ramp

* Minimum order 10 pieces

Part No.	Product No.	Pos.	AWG	Color	1	10
750830	3-640440-2	2	22	Red	..... *	\$ .099
524710	640440-4	4	22	Red	..... .25	..... .23
524681	1-640440-2	12	22	Red	..... .49	..... .45
741837	1-640440-6	16	22	Red	..... 1.25	..... .94

Molded DOC Cover

- 0.060" max. O.D. wire

Part No.	Product No.	Description	1	10
857653	643075-8	8-circuit	..... \$ .82	..... \$ .74

AMP

T-Handle Tool

- For .100" (2.54mm) IDC connectors



Part No.	Product No.	Description	Price
365974	59803-1Z	.100" hand tool	..... \$20.89

JAMECO ValuePro

Extraction Tool

For Micro-Fit Connectors

JAMECO EXCLUSIVE

- Length: 3.0"



Part No.	Cross Ref. No.	1	5
338669	11-03-0043	..... \$15.69	..... \$13.13

JAMECO ValuePro

Crimp Tool

For Micro-Fit Connectors



JAMECO EXCLUSIVE

- Length: 8.25"

Part No.	Cross Ref. No.	1	5	10
338678	HT-225D	..... \$26.99	..... \$22.94	..... \$17.21

Our friendly Sales department will assist you 24x7x365 by phone, fax, web or email. 1-800-831-4242

★ This product typically requires two additional days to ship. Please request "ship partial" if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Headers, Housings & Connectors

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
JAMECO HOUSE BRANDS
FACTORY OVERBURN

Additional Connectors are available online at www.Jameco.com/Interconnect

molex .118" (3.0mm) Pitch Micro-Fit 3.0™ Connectors

Headers

- Contact: brass
- Voltage: 250V
- Current: 5.0A max.
- Dielectric withstanding voltage: 1500VAC
- Contact resistance: 10mΩ max.
- Fully polarized to mating receptacle
- Insulation resistance: 1000MΩ min.
- Housing: high temperature LCP, UL94V-0

† Solderable fitting nail provides retention to PCB

"Offset termination retention" for retention to PCB during wave soldering

Dual Row, Vertical, Tin (SMT) †

Part No.	Product No.	Pos.	1	10	100
338159	43045-0818	8	\$2.95	\$2.45	\$2.29

Dual Row, Vertical, 30μ" Gold (Thru-Hole)

Part No.	Product No.	Pos.	Price
883384	43045-0414	4	Call/Web

★ Please call or visit our website for minimum order quantity and pricing

Female Crimp Terminals

Type*: A: phosphor bronze; 30μ" select gold; 100μ" tin
B: phosphor bronze; 40μ" minimum tin

• Minimum order 10 pieces

Part No.	Product No.	AWG	Type*	10	100
883093	43030-0007	20-24	B	\$.08	\$.07
883190	43030-0012	26-30	A	.146	.126



Dual Row, Vertical



Dual Row Receptacle



882787 Plug



882808 Plug



Female

Receptacles/Plugs

- Positive latching to mating headers or plugs
- Fully isolated contacts
- Housing: polyester, UL94V-0
- Integral pull tabs for ease in unmating
- Fully polarized to mating headers or plugs

Dual Row (Receptacles)

Part No.	Product No.	Pos.	1	5	50
882867	43025-0200	2	\$.225	\$.203	
882921	43025-0800	8	\$.225	.203	
882963	43025-1200	12	\$.225	.203	
883026	43025-1800	18	1.59	1.39	.93
883051	43025-2000	20	\$.59	.55	

Dual Row (Plugs)

Part No.	Product No.	Pos.	1	5	100
882787	43020-0201	2 (w/o ear)	\$.157	\$.147	
882808	43020-0400	4 (w/ ear)	.184	.172	

Let us know how we can better serve your needs.
Send your requests to NewProducts@Jameco.com.

AMP .156" Crimp Contacts

- Voltage rating: 250VAC
- Current rating: 10A max.
- Low level resistance: 30mΩ max.
- Dielectric withstanding voltage: 2000VAC/1 min.
- Insulation resistance: 1000MΩ minimum
- Compatible with .045" square or round posts
- Material & finish*: A: brass, 0.012" bright tin plated
B: brass, 0.012" pre-tin plated



(High-Force)

• For use with .156" AMP housings (see web)

Part No.	Product No.	Desc.*	AWG	10	100	500
248866	640706-1	A	18-24	\$.224	\$.159	\$.14
248874	640706-2	B	18-24	.187	.132	.127

KK® Series .156" (3.96mm)

Pitch Crimp Terminal Housings & Locking Headers

- Voltage: 250VAC
- Housing: nylon, UL94V-2
- Dielectric withstanding voltage: 1500VAC

Housing With Locking Ramp (KK Series 2139)

- Current: brass – 5A max.; phosphor bronze – 7A max.;
- Contact resistance: 6mΩ max.
- Insulation resistance: 50kMΩ min.



Part No.	Product No.	Positions	1	10	100
463523	09-50-3121	12	\$.83	\$.73	\$.49

Solid Headers with Vertical Friction Lock (KK Series 41791)

- Contact resistance: 6mΩ max.
- Insulation resistance: 50k MΩ min.
- Housing: polyester, UL94V-0
- Contacts: brass
- Current: 7A



Part No.	Product No.	Positions	1	5	100
879861	26-60-4020	2	\$.21	\$.162	\$.145
879887	26-60-4030	3	*	.242	.218
879908	26-60-4040	4	*	.323	.291
879924	26-60-4050	5	.48	.401	.363
879941	26-60-4060	6	.57	.503	.377
879967	26-60-4070	7	*	.524	.498
879983	26-60-4080	8	.64	.61	.441
880036	26-60-4100	10	.80	.70	.57

Overall Gold

Part No.	Product No.	Positions	1	5	100
880271	26-61-4030	3	*	\$.105	\$.100
880343	26-61-4060	6	2.85	2.25	1.66

Solid Headers Right Angle Friction Lock (KK Series 41792)

• Minimum order 5 pieces

Part No.	Product No.	Positions	5	100
880175	26-60-5060	6	\$.133	\$.125

Crimp Terminals

- Female
- .110" max. wire insulation
- For 2139 & 3069 series (above)
- Plating: A: brass/tin;
B: phosphor bronze/tin; C: brass/20μ" gold



Part No.	Product No.	Plating	AWG	10	100
736472	08-50-0105	A	18-20	\$.14	\$.13
736481	08-50-0106	A	18-20	.058	.049
736552	08-52-0071	B	18-20	.043	.041
736561	08-52-0072	B	18-20	.078	.062
736499	08-50-0108	A	22-26	.069	.059
736659	08-56-0106	C	18-20	.41	.402

.118" (3.0mm) Dual Row Micro-Fit Connectors

Molex Micro-Fit 3.0™ Series Value Equivalents

Dual Row Crimp Housing

- Fully isolated contacts
- Wire to wire
- Housing: UL94V-0
- Fully polarized
- Contacts: tin or 30μ" gold plating over phosphor bronze
- Contact resistance: 10mΩ (max.)
- Black
- Voltage/current rating: 250V @ 5.0A (max.)
- Mates with 43020 and 43045 series

Receptacle (Fig. 1)

Part No.	Cross Ref. No.	Positions	1	10	100
337674	43025-0400	4	\$.55	\$.468	\$.351

Plugs - Free Hanging (Fig. 2)

Part No.	Cross Ref. No.	Positions	1	10	100
337631	43020-0801	8	\$.43	\$.391	\$.306

Dual Row PCB Headers

- Surface mount compatible with PCB polarizing pegs
- Fully polarized to mating receptacle
- Black

Right Angle w/ Snap-In Plastic Peg – Tin (Fig. 3)

Part No.	Cross Ref. No.	Positions	1	10	100
338212	43045-1200	12	\$.105	\$.89	\$.67
338571	43045-1400	14	1.59	1.52	1.32



Fig. 1

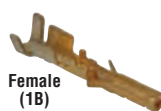


Fig. 2



Fig. 3

NEW MARKED IN PINK



Female (1B)



Male (2A)

JAMECO EXCLUSIVE

Female & Male Contacts

Type*: 1: female 2: male

A: tin plating over phosphor bronze

B: 30μ" select gold over nickel over phosphor bronze

• Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	AWG	Type*	10	100
337720	43030-0007	20-24	1A	\$.091	\$.075
337738	43030-0009	20-24	1B	.129	.122
337762	43031-0007	20-24	2A	.104	.078

AMP MTA .156" (3.96mm) Series

Straight Friction Lock Headers

- Posts: copper alloy
- Housing: UL94V-0 rated thermoplastic, white

Part No.	Product No.	Position	Plating	5	50
854170	640388-4	4	Tin	\$.154	\$.146
741870	1-640445-1	11	Tin	1.14	1.08

Housing

- Nylon, UL94V-2, red
- Contacts: copper alloy/tin
- 22AWG
- Minimum order 5 pieces

Part No.	Product No.	Positions	5	50
854444	640428-3	3	\$.164	\$.146

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product ♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Connectors are available online at www.Jameco.com/Interconnect

molex® KK® Series .156" (3.96mm) Trifurcon™ Crimp Terminals

- P/N 462774: cat ear
- Type A: brass/tin
- Type B: phosphor bronze/tin
- Minimum order 10 pieces

Part No.	Product No.	AWG	Type	10	100
462774	08-50-0165	18-20	A	.....	\$.137 \$.125
736544	08-50-0189	18-20	A	.....	.031 .029
736587	08-52-0113	18-20	A	.....	.064 .061
736712	08-58-0189	18-20	B	.....	.524 .508

molex® .156" (3.96mm) Pitch Crimp Terminal Housing

Terminal Housing with Ramp

- Voltage: 250VAC
- Contact res.: 6mΩ max.
- Insulation res.: 50kMΩ min.
- Dielectric w/standing volt.: 1500VAC
- Current: phosphor bronze: 7A; brass: 5A max.
- Use with Trifurcon™ terminals (above)
- Housing: nylon UL94V-2

Part No.	Product No.	Positions	5	50
879730	26-03-4030	3	.....	\$.108 \$.097

JAMECO ValuePro .156" (3.96mm) Straight-Friction Lock Header

- Voltage rating: 250VAC/VDC max.
- Current rating: 7 amps AC/DC
- Contact resistance: 20mΩ
- Temperature range: -25° to +85°C
- Header material: pin-tin-plated brass
- Base: nylon 66, UL94V-2

Part No.	Cross Ref. No.	Pins	1	10	100	1000
104846	LMH10	10	...	\$.28	\$.204	\$.19 \$142

JAMECO ValuePro .156" Center Housing Crimp Contact

- Current rating: 10A AC/DC
- Volt. rating: 250V AC/DC • 18-22 AWG
- Finish: tin-plated • Material: brass
- Mating connectors for Mean Well LPS and LPP series power supplies (pg 113)

Part No.	Description	1	10	100	1000
227416	Crimp contact	.....	\$.32	\$.288	\$.24 \$.18

JAMECO ValuePro .156" (3.96mm) Center Housing Connectors

- Common to many power supplies carried by Jameco. Some power supplies (pgs 111-113) may require multiple connectors
- Housing material: nylon 66, UL94V-2
- Use w/ crimp pins, 78319, below

Part No.	Cross Ref. No.	Pins	1	10	100	1000
104433	LCH3	3	...	\$.23	\$.207	\$.165 \$124
104716	LCH4	4	.....	.25	.22	.176 .132
104723	LCH5	5	.....	.22	.203	.18 .135
104731	LCH6	6	.....	.27	.242	.212 .159
104766	LCH10	10	.....	.60	.54	.44 .33

Center Crimp Pin

- Material: brass/tin plated • 18-24 AWG
- Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	10	100	1000
78319	JS-5001-T	.....	\$.11	\$.08 \$.07

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

molex® .165" (4.19mm) Mini-Fit Jr.™ Contacts

- Voltage: 600V
- Current: 9A
- (12A current rating)
- Contact resistance: 10mΩ max.
- Dielectric withstanding voltage: 1500V
- Insulation resistance: 1000MΩ min.
- Material:

- *A: Brass (pre-plated tin over copper)
- *B: Brass or copper (post-plated tin over nickel)
- *C: Phosphor bronze (pre-plated gold over nickel)

Female Contacts

* Minimum order 10 pieces

Part No.	Product No.	Desc.	AWG	1	10	100
304733	39-00-0039	A	18-24	.....	* \$.077	\$.071
304750	39-00-0182	C	18-24	...	.53	.451 .338
304776	44476-1112	B	18-2421	.163 .122
304872	39-00-0047	A	22-2820	.14 .096

Reel

880503	39-00-0046	A	22-28	★	Call/Web
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★ Please call or visit our website for minimum order quantity and pricing

JAMECO ValuePro .165" (4.19mm) Mini-Fit Jr.™ Equivalent Contacts

Part No.	Cross Ref. No.	AWG	Type	1	10	100
401859	39-00-0076	18-24	1B	...	\$.35	\$.276 \$208
365835	39-00-0168	16	2C	.....	.44	.374 .281
401736	39-00-0170	18-24	2B	.....	.36	.33 .30
365851	39-00-0182	18-24	2E	.....	.46	.388 .291
365827	39-00-0186	16	2E	.....	.46	.39 .293
401701	39-00-0208	18-24	2A	.....	*	.068 .057
401699	39-00-0210	22-28	2A	.....	*	.058 .042
401710	39-00-0212	16	2A	.....	*	.133 .10
401779	39-00-0218	16	2D	.....	*	.14 .105

* Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	AWG	Type	1	10	100
401859	39-00-0076	18-24	1B	...	\$.35	\$.276 \$208
365835	39-00-0168	16	2C	.....	.44	.374 .281
401736	39-00-0170	18-24	2B	.....	.36	.33 .30
365851	39-00-0182	18-24	2E	.....	.46	.388 .291
365827	39-00-0186	16	2E	.....	.46	.39 .293
401701	39-00-0208	18-24	2A	.....	*	.068 .057
401699	39-00-0210	22-28	2A	.....	*	.058 .042
401710	39-00-0212	16	2A	.....	*	.133 .10
401779	39-00-0218	16	2D	.....	*	.14 .105

Hand Tools for Mini-Fit Jr.

304928	304936
308030	227491

304928: Crimp tool wire range from 14-24 AWG

304936: Extraction tool

308030: Cuts & strips 14-24 AWG wires

227491: Cuts & strips 18-30 AWG wires

Part No.	Product No.	1	5
304928	63811-1000 (Molex)	.....	\$47.95 \$43.95
304936	11-03-0044 (Molex)	.....	17.49 15.95
308030	W-HT-1919, 8.3"L (Red)	.....	14.99 13.99
227491	W-HT-1921, 8.3"L (Yellow)	.....	14.99 13.99

.165" (4.19mm) Connectors – Molex Mini-Fit Jr.™ Value Equivalents

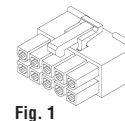


Fig. 1

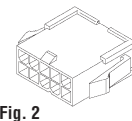


Fig. 2

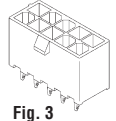


Fig. 3

JAMECO EXCLUSIVE

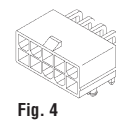


Fig. 4

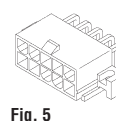


Fig. 5

- Low profile design to accommodate height constraints
- Fully isolated terminals to protect contacts from damage
- Positive locking housings
- Contact resistance: 10mΩ
- Temperature: -40°C to +150°C
- Housing: 6/6 Nylon natural
- UL rating: 94V-2
- Pitch: 0.165" (4.2mm)
- Current: up to 9A
- Voltage: 600V

Molex 5557 Series — Connector Equivalents

Receptacles, Dual Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364736	39-01-2020	1	2	...	\$.34	\$.30 \$225
364744	39-01-2040	1	4	.....	.24	.204 .153
364752	39-01-2060	1	6	.....	.41	.382 .249
364761	39-01-2080	1	8	.....	.45	.38 .285
364787	39-01-2120	1	12	.....	.73	.65 .481
364795	39-01-2140	1	14	.....	.79	.68 .51
364841	39-01-2240	1	24	...	1.08	1.04 .78

Molex 5559 Series — Connector Equivalents

Plugs - Panel Mount w/ Ears, Dual Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364867	39-01-2041	2	4	...	\$.40	\$.38 \$285
364904	39-01-2121	2	12	.....	.59	.532 .355

Molex 5566 Series PCB Header Equivalents

Vertical Dual Row w/o Pegs & Drain Holes – Tin

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
364963	39-28-1083	3	8	.....	\$1.28	\$1.07 \$76
364971	39-28-1103	3	10	.....	1.69	1.49 1.10
365042	39-28-1243	3	24	.....	3.99	3.61 2.71

Vertical Dual Row w/o Pegs & Drain Holes – Gold

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
365085	39-29-0103	3	8	.....	\$2.75	\$2.34 \$176

Molex 5569 Series PCB Header Equivalents

Right Angle Dual Row w/ Pegs – Tin

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
365181	39-30-1040	4	4	.....	\$.66	\$.57 \$422
365190	39-30-1060	4	6	.....	.83	.70 .525
365202	39-30-1080	4	8	.....	.88	.74 .56
365211	39-30-1100	4	10	.....	1.05	.89 .67
365229	39-30-1120	4	12	.....	1.43	1.10 .75
365288	39-30-1240	4	24	.....	2.25	2.09 1.70

Right Angle Dual Row w/ Flanges – Tin

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
365552	39-29-1248	5	24	...	\$2.75	\$2.34 \$176

30-Day Money-Back Guarantee

Mini-Fit Jr.™ Equivalents & Power Connectors

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
JAMECO HOUSE BRANDS
FACTORY OVERRUN

Additional Connectors are available online at www.Jameco.com/Interconnect

molex

.165" (4.19mm) Mini-Fit Jr.™ Connectors

NEW
MARKED IN PINK

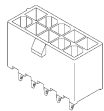


Fig. 1



Fig. 2

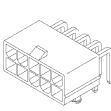


Fig. 3

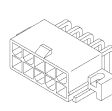


Fig. 4

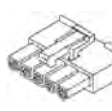


Fig. 5

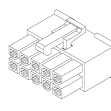


Fig. 6

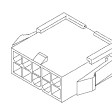


Fig. 7

- Fully isolated terminals to protect contacts from damage
- Positive housing lock for secure mating retention
- Housing: 6/6 nylon natural, UL 94V-2 rated

Single and Double Row Headers

- Contact resistance: 10mΩ max. • 600V
- Dielectric withstanding voltage: 1500VAC
- Insulation resistance: 1000MΩ min.
- Contact: brass or phosphor bronze

Vertical Header Dual Row w/o Pegs Tin Plated UL94V-0

Part No.	Product No.	Fig.	Pos.	1	10	100
881311	39-28-8020*	1	2	.....	\$ .49	\$.45 \$.41

* Not for use with strain relief

Vertical Headers w/ Pegs Dual Row Tin Plated UL94V-2

Part No.	Product No.	Fig.	Pos.	1	10	100
881881	39-29-9083*	2	8	.....	\$ .59	\$.56 \$.525
882091	39-29-9202*	2	20	.....	2.05	1.80 1.20

† w/o drain holes †† w/ drain holes

Rt Angle Header Dual Row w/ Pegs Tin Plated UL94V-0

Part No.	Product No.	Fig.	Pos.	1	10	100
882189	39-30-0060*	3	6	.....	\$1.65	\$1.47 \$.98

Rt Angle Header Dual Row w/ Flange Gold Plated 30μ"

Part No.	Product No.	Fig.	Pos.	1	10	100
304451	39-29-5043*	4	4	.....	\$2.25	\$1.97 \$1.32

Single Row Receptacles

Part No.	Product No.	Fig.	Pos.	1	10	100
881231	39-01-4031*	5	3	.....	\$ .51	\$.40 \$.36
881291	39-01-4051*	5	5	.....	.61	.54 .38

AMP .197" (5.00mm) Pin & Socket Metrimate Connector

- Housing: UL94V-0, thermoplastic red
- Voltage: 600VAC, 14A max.
- 9-pin male



Part No.	Product No.	1	10	100
838778	207439-1*	.....	\$1.39	\$1.20 \$1.09

molex .200" (5.08mm) Pitch Disk Drive Power Connector

Housing

- Voltage: 250VAC • Current: 10A
- Housing: nylon, UL94V-0
- Contact resistance: 25mΩ max.
- Dielectric w/ standing volt.: 250VAC
- Insulation resistance: 1000MΩ min.
- Minimum order 10 pieces



Part No.	Product No.	10	100
741394	15-24-4048*	.....	\$ .162 \$.152

Crimp Terminal

- Female • 14-20 AWG
- Contact: phosphor bronze w/ tin plating
- Wire insulation diameter: 0.08" to 0.108"
- Minimum order 10 pieces

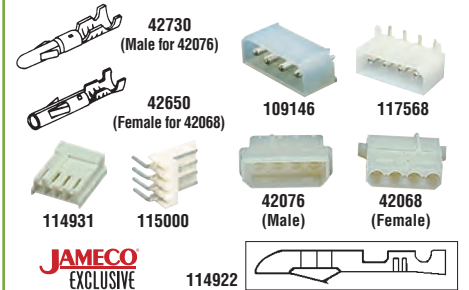


Part No.	Product No.	10	100
734696	02-08-1202*	.....	\$ .228 \$.149

* This product typically requires two additional days to ship. Please request "ship partial" if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Power Connectors & Pins



Connector & Housing Specifications:

- Voltage rating: 250VAC (Mate-N-Lock 600VAC)
- Operating temperature: -55°C to +105°C

Crimp Pin Specifications:

- Material: tin plated brass
- Current rating: 1.5 amps
- Wire size range: 18-24 AWG
- Use crimp tool P/N 99443, pg 158

For 5.25" Disk Drives and Power Supplies

42076 & 42068 Connector Housings:

- 0.200" pitch • Keyed mating connectors
- External key bar indicates pin 1
- See below for extraction tools, P/Ns 131887 & 131879

- Prepackaged: please order in increments of 10

Part No.	Description	10	100	1000
109146	4-pin M vert. PCB mtg*	.....	\$ .68	\$.61 \$.55
117568	4-pin M PCB mtg, horiz. edge mnt*	.....	.85	.72 .65
42076	4-pin M housing*	.....	.12	.11 .10
42068	4-pin F housing*	.....	.198	.158 .119
42730	M crimp pin for 42076*	.....	.112	.078 .067
42650	F crimp pin for 42068*	.....	.10	.07 .06

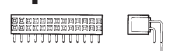
For 3.5" Disk Drives and Power Supplies

- 0.100" pitch

Part No.	Description	10	100	1000
114931	4-pin F housing*	.....	\$ .189	\$.151 \$.113
114922	F crimp pin for 114931*	.....	.114	.098 .083
Part No.	Description	1	100	1000
115000	4-pin M rt. angle PCB mounting*	.....	\$ .35	\$.31 \$.28

.100" (2.54mm) Female Header Receptacles

- Gold plated contacts
- 0.1" contact center



Right Angle Mount (Side Entry)

Part No.	Contacts	Type	1	10	100	500
71159	20	Double row	\$1.79	\$1.59	\$1.43	\$1.23

Vertical Mount (Top Entry)

Part No.	Contacts	Type	1	10	100	500	
70755	8	Single row	.....	.63	.56	.462	.371
200782	12	Single row	.....	.99	.74	.56	.522
308592	16	Single row	.....	.67	.55	.36	.28
308567	20	Single row	.....	.69	.57	.37	.289
70720	16	Double row	.....	.89	.79	.72	.65
70827	20	Double row	.....	1.19	1.07	.86	.64
105057	30	Double row	.....	1.09	.98	.88	.74
111705	40	Double (Tin)	.....	1.42	1.27	1.09	.98

Great Prices on Special Buys from Other Mfrs.

163862	34	Double row	\$1.05	\$.94 \$.85 \$.71
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.098" (2.49mm) Pitch AT Power Connector

- Voltage rating: 250V AC/DC
- Current rating: 7A AC/DC
- Temperature range: -25°C to 85°C
- Withstanding volt.: 1500V/min.
- Insulation resistance: 1000MΩ min.
- For use with motherboards and power supplies
- Size: 0.94"L x 0.25"W x 0.74"H • Material: nylon



Part No.	Description	1	10	100
78327	6-pin female housing*	.....	\$ .45	\$.405 \$.324

Extraction Tools for Crimp Pins

- Quickly and easily extract .093" locking pins from interlocking connectors
- Length: 5" • See right for crimp pins
- 131887: Male tool for 42730, above right
- 131879: Female tool for 42650, above right



Part No.	Product No.	1	10
131887	HT319C*	.....	\$13.45 \$10.09
131879	HT319B*	.....	14.15 10.64

Open an account with us to consolidate your monthly billing and save time.
1-800-831-4242

JAMECO ValuePro **.100" (2.54mm) Straight Male Headers**
With Standard Latch Double Row
 • 0.1" contact center • Mount vertical • Keying slot
 • Use with IDC socket connectors, pg 77

JAMECO EXCLUSIVE 71830

Part No. Description 1 10 100 500

117664	10-pin	\$1.55	\$1.38	\$1.18	\$.73
71830	20-pin	1.65	1.42	1.28	1.14
71933	26-pin	1.49	1.34	1.07	.89
72216	50-pin	1.89	1.70	1.36	1.02

Great Prices on Factory Overruns from Other Mfrs.

687720 14-pin \$1.31 \$1.17 \$1.03 \$.94
1928169 16-pin 1.25 .99 .79 .65
1928177 34-pin 1.29 1.09 .89 .75
1928185 34-pin (right angle) 1.29 1.09 .89 .75

Blue Part No. = Limited Quantity Available

JAMECO ValuePro **.100" (2.54mm) Low Profile Keyed Shrouded Headers and Connectors**
CD-ROM 4-Pin Headers and Connectors

152741 152726 152734

• Pin material: tin-plated brass
 • Insulation resistance: 1000MΩ min.
 • Connector material: PBT, 30% glass
 • Volt. rating: 250VAC/DC • Current rating: 3A AC/DC
 • Header material: PBT + 30% glass
 • Withstanding voltage: 1000VAC/1 minute
 • Recommend crimp tool P/N 99443, pg 158

JAMECO EXCLUSIVE

Part No. Description 1 10 100 1000

152741	Straight header	\$.45	\$.39	\$.35	\$.29
152726	Rt. angle header	.55	.50	.40	.30
152734	Single w/ latch	.43	.387	.309	.232
181673	Female pins	*	.11	.088	.066

† P/N 152734 requires 4 pins (P/N 181673)

JAMECO ValuePro **.100" (2.54mm) Low Profile Male Shrouded Headers**
Straight Male Headers

• Rating: 1A (max.) @ 250VDC
 • Contact resistance: 15mΩ max.
 • Features: UL recognized
 CSA certified; 0.025" square post mates with sockets on 0.100" x 0.100" grid
 • Contact: phosphor bronze, gold plated
 • Use with IDC socket connectors, pg 77

JAMECO EXCLUSIVE 68179

Part No. Description 1 10 100 1000

68182	10-pin	\$.45	\$.399	\$.365	\$.319
68179	16-pin	.44	.40	.35	.32
68292	20-pin	.55	.505	.419	.314
68372	26-pin	.59	.437	.364	.219
68582	34-pin	.95	.78	.56	.372
181105	40-pin	1.49	1.17	.88	.61

Place your order by 6PM EST for same business-day shipment.

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

AMP AMPMODU™ .100" (2.54mm) Receptacles
Single Row w/ Detents, Polarized, Crimp Snap-In (MOD IV)

• Glass filled nylon, flame retardant

Part No. Product No. Pos. Width (in.) 1 10

496122	102241-1	3	0.300	\$.27	\$.25
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Double Row, Center Polarized, Crimp Snap-In (MOD IV)

• Black thermoplastic, flame retardant

Part No. Product No. Pos. Width (in.) 1 10

496309	102387-1	10	0.680	\$1.26	\$1.10
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Keying Plug

• Plugs into standard or intermediate pressure receptacle contacts
 • Minimum order 10 pieces
 Blue Part No. = Limited Quantity Available

Part No. Product No. 10 100

526926	86286-1	\$.15	\$.14
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AMP AMPMODU™ System 50 Connector

• Housing: thermoplastic black, UL94V-0
 • Contacts: copper alloy/ 30μ" gold in mating area, 150μ" tin-lead on solder posts
 • 50 positions • Post length: 0.100"

Part No. Product No. 1 10

738734	104069-2	\$10.29	\$8.75
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AMP AMPMODU™ .100" (2.54mm) Standard Profile Shrouded Headers

Fig. 1 Fig. 2 Fig. 3

Straight

• Operating temp.: -65°C to 105°C
 • Insulation resis.: 5,000MΩ min. initial
 • Current rating: 3A max. per contact
 • Housing: UL94V-0, black thermoplastic
 • Dielectric withstanding voltage: 750V @ sea level
 • 0.100" (2.54mm) centers w/ 0.025" square posts, copper alloy

Contact Plating:
A: Duplex plated, 0.000015 min. gold on contact area, 0.0001-0.0002 min. tin/lead on solder area, w/ entire post underplated 0.000050 min. nickel
B: Selectively plated .000015 gold on contact area, with gold flash over .000050 nickel on entire post

With Stand-Offs, Single Row (MOD II) – Fig. 1

Part No. Product No. Positions Plating 1 10

841117	3-102202-4	3	A	\$1.41	\$1.06
737213	102202-7	10	A	2.95	2.49

Breakaway, 15μ" Gold Single Row (MOD II) – Fig. 2

• Minimum order 10 pieces

753125 5-146280 2 A * \$215

Un-Shrouded Double Row (MOD II) – Fig. 3

742995 1-87227-0 20 B \$5.19 \$4.11

AMP AMPMODU™ Pin & Receptacle Contacts

• Plating:
A: gold flash over 50μ" nickel entire area, 30μ" gold on contact area;
B: 15μ" gold in contact area, 100μ" ~ 200μ" bright tin lead, all over 50μ" nickel;
C: preplated 50μ" ~ 150μ" bright tin;
 • Material: PB=phosphor bronze; BC=beryllium copper

Standard Pressure Receptacle Contacts (MOD IV)

• Minimum order 10 pieces

Part No. Product No. Material Plating 1 10

527486	87523-6	PB	C	\$.21	\$.16
527419	1-87523-6	PB	B	.25	.24
742223	166722-1	PB	A	*	.157
527507	87667-2	BC	A	.36	.33

Blue Part No. = Limited Quantity Available

AMP .100" (2.54mm) MTE Interconnection System

• Housing: thermoplastic UL94V-0, black
 • Posts: copper alloy
 • Plating: Duplex plated 15μ" gold on contact area, 100μ" min. tin-lead on solder area

738187 738013 738291

Straight Polarized Latching w/ Swage

Part No. Product No. Positions 1 10

738187	103670-1	2	\$.59	\$.47
738195	103670-2	3	*	.62
738208	103670-3	4	.75	.60

Straight Polarized Latching w/o Swage

738013 103638-1 2 \$.58 \$.47

Right Angle Latching w/ Hold Down

738291 103673-2 3 \$.51 \$.47
738304 103673-3 4 .65 .58

Right Angle Latching w/o Hold Down

737985 103635-5 6 \$.58 \$.49

Polarized Latching Single Row Receptacles

• Contacts: phosphor bronze
 • Plating: 15μ" gold on contact area, 50μ" min. tin-lead on crimp area • 26-22AWG

Part No. Product No. Positions 1 10

738611	103957-4	5	\$.85	\$.73
--------	----------	---	--------	--------

AMP .100" (2.54mm) Latch DIP Plugs

• .100" x .100" Center
 • 94V-0 rated thermoplastic black
 • Contacts designed for use with 28AWG stranded wire or 30-26AWG solid wire
 • Contacts: phosphor bronze, 100μ" - 200μ" bright tin-lead

Part No. Product No. Positions 1 10 100

863156	746610-4	20	\$1.59	\$1.40	\$1.27
863236	746610-9	40	2.69	2.36	2.14

Ribbon Cable Connectors, Housings & Crimp Pins

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
JAMECO HOUSE BRANDS
FACTORY OVERBURN

Additional Cable Connectors are available online at www.Jameco.com/Interconnect

AMP .100" (2.54mm) AMPLATCH™ Ribbon Connectors



Low-Profile Shrouded Headers w/ 0.150" End Dimension, Dual Row

- 0.120" solder tail • 0.025" square posts
- Housing: black thermoplastic, UL94V-0 rated
- Contact: phosphor bronze

Contact Plating:

- A: 30µ" gold in contact area, 100µ" ~ 200µ" tin/lead on solder tail, all over 50µ" nickel;
B: 30µ" gold on mating area, 100µ" min. tin on solder end, all over 50µ" nickel;
C: 15µ" gold in contact area, 100µ" ~ 200µ" tin/lead on solder tail, all over 50µ" nickel;
D: 15µ" min. gold on mating area, 100µ" min. tin on solder end, all over 50µ" on entire post;
E: copper alloy, duplex plated, 30µ" gold on contact area, 100µ" tin lead on solder area;
F: 30µ" gold, 100µ" tin-lead on solder tail;
G: 15µ" gold, 100µ" tin lead on solder tail

Straight (no latch)

Part No.	Product No.	Pos.	Plating	1	10	100
496051	103309-1	10	A	..... \$ .67	\$.65	\$.56
850216	5103308-1	10	D	..... .78	.74	.68
737715	103309-2	14	A	..... .93	.84	.83
753571	5103309-2	14	B	..... .87	.78	.76
496093	103309-5	20	A	..... 1.49	1.36	1.18
496085	103308-5	20	C	..... 1.30	1.25	1.12
496296	103308-6	26	C	..... 1.49	1.39	1.35
850275	5103308-6	26	D	..... 1.47	1.17	1.05
737723	103309-7	34	A	..... 2.05	1.82	1.59
739817	1-103308-0	50	C	..... 1.99	1.79	1.53

Right Angle (no latch)

Part No.	Product No.	Pos.	Plating	1	10	100
737740	103310-2	14	C	..... \$ .93	\$.82	\$.78
737774	103310-6	26	C	..... 1.95	1.56	1.17
739833	1-103310-0	50	C	..... 3.19	2.71	2.03

Straight (with long latch)

Part No.	Product No.	Pos.	Plating	1	10	100
738822	104128-3	16	E	..... \$3.49	\$3.04	\$2.76
738831	104128-4	20	E	..... 3.79	3.31	3.01
738988	104313-4	20	E	..... 2.69	2.59	2.49

Universal Ejection Style Pin Header Assembly (Military, Center & Dual Polarized)

- 0.110" post length
- Housing: glass filled nylon or polyester
- 848950/737096: Phosphor bronze; 736974: Brass

Part No.	Product No.	Pos.	Plating	1	10	100
848950	499206-1	10	F	..... \$1.49	\$1.30	\$1.18
736974	102154-6	26	F	..... 2.99	2.38	2.13
737096	102159-8	34	G	..... 2.45	2.22	2.11

HC IDC Connector Crimping Tool

- Use for IDC socket connectors
- Crimping distance: 27.5mm to 6mm (with attachment)
- Size: 9.2" L x 3.0" W
- Weight: 1.1 lbs.



Part No.	Product No.	1	10	25
73252	HT214	..... \$15.95	\$14.39	\$12.95

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product ♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

AMP .100" (2.54mm) AMPLATCH™ IDC Ribbon Connectors



NOVO Receptacles

- Preassembled housing with cover
- Accepts 28-26AWG solid or stranded cables
- Contact current rating: 1A continuous
- Housing, cover: 94V-0 rated thermoplastic, black
- Contacts: phosphor bronze, duplex plating
- Insulation displacement contacts for fast, economical mass terminations
- Dielectric withstanding voltage: 1000V

Contact Plating:

- A: 30µ" gold on localized gold plate area, 50µ" min. tin on termination end;
B: 15µ" gold on localized gold plate area, 100µ"~200µ" tin on termination end;
C: 15µ" gold on localized gold plate area, 100µ"~200µ" tin lead termination end, all over 50µ" min. nickel on entire area;
D: 30µ" gold on localized gold plate area, 100µ"~200µ" bright tin lead on termination end, all over 50µ" nickel on entire contact area;
E: 15µ" gold on localized gold plate area, 50µ" min. tin on termination end, all over 50µ" nickel on entire contact area

Center and Military Polarized

Part No.	Product No.	Pos.	Plating	1	10	100
901642	1658622-1	10	A	..... \$1.55	\$.96	\$.87
525309	746285-1	10	C	..... 1.29	1.19	1.09
742215	1658621-1	10	B	..... 1.09	.91	.76
525317	746285-2	14	C	..... 1.69	1.47	1.36
525325	746285-3	16	C	..... 1.59	1.50	1.46
525333	746285-4	20	C	..... 1.20	1.15	1.11
901482	1658621-4	20	B	..... 1.49	1.24	1.12
525413	746288-6	26	D	..... 1.59	1.46	1.31
901520	1658621-6	26	E	..... 2.69	1.61	1.41
525341	746285-6	26	C	..... 1.46	1.39	1.35
525350	746285-8	34	C	..... 1.99	1.63	1.47
525368	746285-9	40	C	..... 1.79	1.75	1.73
525376	1-746288-0	50	D	..... 2.59	2.37	2.18

Strain Relief

Minimum order 5 pieces

Part No.	Product No.	Positions	5	50
848984	499252-1	40	..... \$ .189	\$.17

Keying Plug

Minimum order 5 pieces

Part No.	Product No.	5	100
849178	499712-1	..... \$ .129	\$.116

PANAMISE IDC Bench Press and Cable Cutter

Designed for low to medium volume mass termination of various IDC connectors on flat ribbon cable.



Part No.	Prod. No.	Description	Wt.(lbs.)	1	10
27174	M505	Bench press	7.0	..... \$179.95	\$159.95

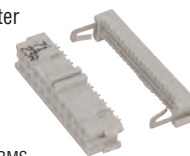
M505 Accessories

Part No.	Product No.	Description	Wt.	1	10
27182	M507	Cable cutter	0.9	..... \$66.95	\$61.95
27203	M510	Base plate	0.5	..... 29.75	27.95

3M .100" (2.54mm) IDC Wiremount Socket Connectors

0.100" x 0.100" for 0.050" Pitch Cables

- Insulation: glass filled polyester (PBT), gray, UL94V-0
- 100µ" nickel underplating & U-slot; 30µ" gold wiping area
- Copper alloy contacts
- Current rating: 1A
- Withstanding voltage: 1000V_{RMS}
- Insulation resistance: 1MΩ @ 500VDC
- Accepts 26-28AWG solid or stranded wires
- Open end, center bump, military



3000 Series With Strain Relief

Part No.	Product No.	Positions	1	10	50
1576407	3421-6620	20	..... \$3.69	\$3.42	\$3.37

7000 Series Without Strain Relief

Part No.	Product No.	Positions	1	10	50
1577864	7964-6500	64	..... \$9.05	\$8.22	\$7.65

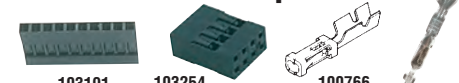
8000 Series With Strain Relief

- Contact: phosphor bronze, 30µ" nickel underplating
- Without center bump

Part No.	Product No.	Positions	1	10	100
1578074	89110-0001	10	..... \$ .96	\$.80	\$.77

3M For more 3M Socket Accessories, visit www.Jameco.com

JAMECO ValuePro .100" (2.54mm) Non-Polarized Connector Housings & Crimp Pins



- Mates with 0.025" square post on pattern of 0.100" centers (male headers, pg 70)
- Current rating: 1A • Housing material: plastic
- Pin material: brass/tin plated • 26-22 AWG
- Temperature rating: -55°C to +105°C
- Use 159266 pin crimper, pg 158 & 100766 crimp pin

Single Row

Part No.	Cross Ref.	Contacts	1	10	100	1000
100812	SCH2	2	..... \$ .26	\$.23	\$.21	\$.17
157383	SCH3	3	..... .27	.24	.22	.18
100803	SCH4	4	..... .31	.28	.26	.195
163686	SCH5	5	..... .36	.324	.30	.264
103211	SCH6	6	..... .45	.40	.38	.28
103203	SCH8	8	..... .39	.35	.281	.21
103191	SCH10	10	..... .42	.39	.36	.31
103182	SCH20	20	..... .59	.53	.425	.318
103158	SCH36	36	..... .54	.50	.433	.389

Double Row

Part No.	Cross Ref.	Contacts	1	10	100	1000
103254	DCH8	8	..... \$ .59	\$.53	\$.43	\$.32
157421	DCH10	10	..... .69	.62	.55	.49
157438	DCH14	14	..... .73	.71	.69	.52
103238	DCH16	16	..... .87	.78	.63	.47
103230	DCH20	20	..... .99	.89	.72	.54
157462	DCH40	40	..... 1.09	.99	.79	.59
157472	DCH50	50	..... .65	.59	.47	.35

Crimp Pins for Single/Double Row Housings

- Prepackaged: please order in increments of 10

Part No.	Cross Ref.	Contacts	10	100	1000
100766	FCH1	Female pin	..... \$ .154	\$.121	\$.077
145358	MCH1	Male pin	..... .15	.135	.12

Additional Connectors are available online at www.Jameco.com/Interconnect

JAMECO ValuePro .100" & 2mm IDC Socket Connectors JAMECO EXCLUSIVE

Double Row

- Current rating: 1A
- Mates with 2 rows of .025" sq. or dia. posts on patterns of .100" centers (male headers, pg 70)
- Contact material: phosphor bronze w/ 1µ" gold flash on mating area, tin plated on termination area
- Industry standard IDC socket (plastic)
- Temp. rating: -55°C to +105°C
- Use crimp P/N 73252, pg 76

NEW MARKED IN PINK

QUANTITY SAVE

Polarized

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
32492	S10 R	10	\$.29	\$.25	\$.19	\$.15
153948	S14 R	14 .....	.32	.27	.21	.16
119467	S16 R	16 .....	.37	.31	.23	.18
32522	S20 R	20 .....	.49	.407	.299	.225
32564	S26 R	26 .....	.49	.358	.297	.195
32644	S34 R	34 .....	.53	.42	.38	.27
32679	S40 R	40 .....	.68	.61	.49	.368
100386	IDC44⊕	44 (2mm)	.99	.89	.71	.53
32708	S50 R	50 .....	.74	.65	.449	.337
32759	S60 R	60 .....	.90	.81	.65	.488

Non-Polarized

Part No.	Cross Ref. No.	Contacts	1	10	100	1000	
138376	SN10	10	.....	\$ .39	\$.34	\$.31	\$.28
138325	SN20	20	.....	.49	.434	.299	.225
138333	SN26	26	.....	.87	.66	.51	.40
138341	SN34	34	.....	.45	.40	.35	.28
138350	SN40	40	.....	.49	.45	.39	.29
138368	SN50	50	.....	.91	.81	.62	.46

3M .100" (2.54mm) Four-Wall Headers

- Insulator material: glass filled polyester, UL94V-0
- Contact material: copper alloy
- Plating: 100µ" nickel underplating; 30µ" gold wiping are with 200µ" matte tin solder tails
- Insulation resistance: 1MΩ @ 500VDC



2500 Series Low Profile

- Current rating: 2A • Withstanding volt.: 1000VRMS
- For 0.0621" (1.57mm) board thickness
- Center polarization prevents misinsertion

1930859

NEW MARKED IN PINK

Black, High-Temperature

Part No.	Product No.	Pos.	1	10	50	
1578584	N2514-6002RB	14	\$1.39	\$1.26	\$1.19

Gray, Standard Temperature, 30µ" Gold Plating

Part No.	Product No.	Pos.	1	10	100
1930795	N2510-6002UG*	10	.... \$1.40	\$1.30	\$1.21
1930816	N2514-6002UB♣	14	..... 1.79	1.67	1.56
1930832	N2516-6002UB♣	16	..... 1.99	1.86	1.74
1930867	N2520-6002UB♣	20	..... 2.09	1.94	1.81
1930859	N2520-5002UB†	20	..... 2.35	2.16	2.02
1930904	N2526-6002UB♣	26	..... 2.25	2.09	1.95
1930939	N2534-6002UB♣	34	..... 2.69	2.50	2.34
1930947	N2540-6002UB♣	40	..... 2.89	2.68	2.50


* 15µ" gold † Rt. Angle

3000 Series Latch/Ejector

- Current rating: 1A
- Short pin latch/ejector (straight)
- Mounting holes for securing header to board



NEW MARKED IN PINK

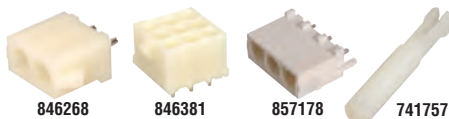
Part No.	Product No.	Pos.	1	10	100
1931544	N3408-6202 	16	\$2.65	\$2.43	\$2.27

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

AMP Universal MATE-N-LOK™ Connectors

- Positive polarization • Positive locking housings
- Dual locking lances provide optimum contact stability
- Contacts are on 0.250" centerline spacing
- Dielectric w/standing voltage: 5KVAC or 10KVDC between adjacent circuits
- Insulation resistance: 1000MΩ minimum initial between adjacent circuits
- Voltage rating: 600VAC or DC
- Durability: 50 cycles mating and unmating
- PCB socket headers – UL94V-2 rated nylon, natural; PCB pin headers – UL94V-0 rated nylon




In-line Vertical PCB Socket Header (phosphor bronze/pre-tin) * Minimum order 10 pcs.

Part No.	Description	Position	1	10
846268	350759-4 	2	*	\$.39
846292	350760-4 	3 .....	.55	.525

Vertical PCB Socket Headers (phosphor bronze/pre-tin)

Part No.	Description	Position	1	10
846381	350763-4	9 (3 x 3 grid)	.....	\$ .83 \$.78

In-Line PCB Vertical Pin Header (phosphor bronze/pre-tin)

Part No.	Description	Position	1	10
857178	641966-1 	3	\$1.11	\$1.01

Keying Plug

- Material: nylon UL94V-2, natural

* Minimum order 10 pieces

Part No.	Description	1	10
741757	1-640415-1	.....	* \$ .313

AMP Universal MATE-N-LOK™ Crimp Terminals

- Solid pin diameter: 0.084"
- Used with universal mate-n-lock connectors
- Material: A-phosphor bronze/pre-tin; B-brass/pre-tin
- Minimum order 10 pieces



Part No.	Product No.	Type	AWG	Material	10	100
838962	770250-1	Pin	20-14	B	... \$1.51	\$.14
846882	350851-1	Socket	24-18	B	.....	★ Call
845839	350561-1	Pin	24-18	B	.....	★ Call

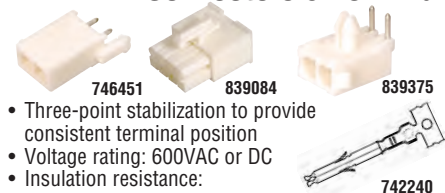
★ Please call or visit our website for minimum order quantity & pricing

For more 3M Headers, visit www.Jameco.com

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

AMP Mini Universal MATE-N-LOK™ II Connectors & Terminals




- Three-point stabilization to provide consistent terminal position
- Voltage rating: 600VAC or DC
- Insulation resistance: 100MΩ between adjacent circuits
- Fully polarized to provide proper plug to cap mating
- Mates w/ standard mini universal MATE-N-LOK headers & connectors
- Resistance: 20mΩ max total resistance between wire crimps or a mated pin and socket
- Dielectric w/ standing volt.: 1500VAC or DC between adjacent circuits
- Durability: 25 cycles mating and unmating

In-Line Vertical PCB Pin Headers w/ Drain Holes

Part No.	Description	Pos.	Contact/Plating	1	10
746451	1-770166-1 ♠	2	Brass/30µ" gold	\$.90	\$.86
838794	770166-1 ♠	2	Brass/tin-lead	.... .69	.60

Free Hanging Dual Row Plugs

- UL94V-0 rated nylon, white

Part No.	Description	Pos.	1	10
839084	770579-1	8 (2x4 grid)	\$.50	\$.47
839148	770581-1 	12 (2x6 grid) .....	.69	.67

Right Angle PCB Headers w/ Board Locks

- Housing: UL04V-0 rated nylon, white

839551: dual row

Part No.	Description	Pos.	Contact/Plating	1	10
839375	770966-1♠	2	Brass/tin-lead	\$.86	\$.82
839412	770966-2♠	3	Brass/30µ" gold ...	2.25	1.95
839551	770970-2♠	8	Brass/30µ" gold ...	6.75	5.88

Terminal

- Brass-pre-tin • 0.163" center line • 600V, 9.5 max

Part No.	Product No.	AWG	Type	Price
742240	170362-1	22-18	Socket	..... ★ Call

★ Please call or visit our website for minimum order quantity & pricing

AMP Mini-Rectangular Connector

- Header pin assembly
- Housing: 94V-0 rated nylon brick red
- For use with 0.063" thick PCB
- Mates with 1-640519-0 socket assembly
- Contacts: phosphor bronze, 30µ" gold over contact length, 150µ" matte tin lead on solder tail




Part No.	Product No.	No. of Circuits	1	10	100
855201	640499-2♠	4	\$4.15	\$3.64	\$3.30

AMP Mictor Connector 0.025" Centerline

- Vertical receptacle assembly
- Housing: liquid crystal polymer, black
- Voltage: 30VAC • Contacts: copper alloy
- Ground buses: phosphor bronze
- Current: signal – 1A; ground – 7.6A fully derated
- Plating: 130µ" gold, 30µ" palladium nickel in contact area, 150µ" - 250µ" tin on leads



Part No.	Product No.	Positions	1	10
853311	5767054-1 	38	\$19.49	\$15.93

PCB & Ribbon Cable Connectors

3 LEVELS OF SAVINGS
FRANCHISE SOURCED JAMECO GENERIC & NON-FRANCHISED HOUSE BRANDS FACTORY OVERBURN

Additional Connectors are available online at www.Jameco.com/Interconnect

ERNI 2mm Hard Metric Connector

- Insulation res.: 104MΩ
- Contact resistance: 20MΩ
- Operating temperature range: -55°C to 125°C
- Contact material: phosphor bronze, gold plated
- Type: AB • Connector on PCD: rJ3
- CompactPCI® female with shield, without peg

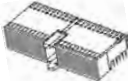


Part No.	Product No.	Positions	1	10
1814727	134075	95	\$10.69	\$9.61

AMP Z-Pack 2mm HM PCB Connector

Type-A Pre-Shielded Receptacle

- Right angle
- Type-A standard with upper shield
- Housing: glass filled polyester, gray, 94V-0 rated
- Contacts: phosphor bronze, 0.76μm gold in contact area, 0.5μm tin in solder area



Part No.	Product No.	Positions	1	10
851665	5352068-1	110 (5 row)	\$8.15	\$7.35

Accessory

- Material and finish: passivated stainless steel

Part No.	Product No.	Description	1	10
840165	223956-1	Guide pin	\$3.45	\$3.00

AMP HM-Zd PCB Connectors & Cable Assembly

- Housing: glass filled polyester
- Contacts: copper-nickel-silicon, 0.76μm gold in contact area
- Plating: 859051: tin in solder area; 741167: bright tin-lead in solder area



Part No.	Product No.	Positions	1	10
859051	6469001-1	40 (4 pair)	\$23.35	\$20.41
741167	1469001-1	40 (4 pair)	16.69	15.83

AMP 0.8mm Free Height (FH) PCB Connector

- Housing: high-temperature thermoplastic, 94V-0 rated, natural
- Contacts: brass, duplex plated 200μm gold on contact area, 100μm matte tin on solder area



Part No.	Product No.	Positions	1	10	100
742805	179031-5	100	\$8.45	\$7.38	6.70

10' Fiber Optic Cable

- 1000μm core jacketed plastic fiber optic cable (10')



Part No.	Product No.	1	10
171272	IF-C-E1000	\$7.45	\$6.69

AMP Metric Champ Stand-Off Stud Hardware Kit

- Material: black oxide coated carbon steel



Part No.	Product No.	1	10	100
852385	554808-1	\$1.99	\$1.89	\$1.85

AMP Flexible Flat Conductor Contacts

- Cable thickness: 0.015" thick max. 947851
- Conductor width: 0.047" min.
- Contacts: 841491- phosphor bronze, 100μm tin lead; 947851 - phosphor bronze, 30μm gold in mating area, 100μm bright tin lead on crimp area



Part No.	Product No.	Description	Price
841491	889997-2	Solder tab	★ Call/Web
947851	487406-2	Receptacle	★ Call/Web

★ Please call or visit our website for minimum order quantity & pricing

AMP Eurocard PCB Connectors



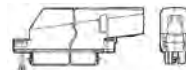
- DIN level II
- Current rating: 1.5A
- Meets DIN 41612 and IEC603-2
- Contacts: phosphor bronze, 30μm gold on mating area, tin lead on tails; P/N 859481: contacts and board locks is brass
- Housing: glass filled polyester, gray, 94V-0 rate
- Positions: 96; P/N 859481: 64

Part No.	Product No.	Description	1	10
859481	650945-5	Right angle pin assem... w/ 0.104"L solder posts	\$2.65	\$2.21
851471	535032-4	Vertical receptacle w/ action pin post	3.75	2.89
851500	535043-4	Vertical receptacle w/ 0.180"L solder posts	4.99	3.73
851606	535089-5	Vertical receptacle w/ 0.098"L solder posts	3.95	3.46

CINCH .085" (2.16mm) Density Mini Ribbon Connector

IDC, Super Ribbon w/ Hood (Plastic)

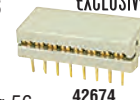
- Standard 90° orientation, commercial end entry cable
- Terminates discrete wires with ultra-low resistance solder connections
- Metal shell provides grounding/shielding capability
- All plugs lock w/ INSTALATCH passive latch features for automatic latching • Bail latch, 0.116" hole
- Insulator: blue UL94V-0 rated diallyl phthalate type MDG • Contact: copper alloy
- Contact plating: select gold over 50μ" select nickel (standard); 30μ" select gold over 50μ" select nickel
- Shell: steel; plating: zinc w/ chromate coating
- Voltage rating: 500VAC/125VAC
- Withstanding voltage: 1200VAC_{RMS}
- Contact rating: 5A • Contact resistance: 6mΩ
- Insulation resistance: 5000MΩ min. initial



Part No.	Product No.	Positions	1	25	50
1809371	97-22640-91	64 socket	\$7.99	\$7.49	\$7.29

JAMECO ValuePro .100" IDC DIP Flat Cable Plugs

- Mates with standard 14, 16, 20, 24, 26, 28 & 40-pin DIP sockets with 0.1" spacing
- Uses 28 AWG flat ribbon cable, pg 56
- Plastic with gold-plated contacts • Current rating: 1A



Part No.	Ref. No.	Width	Contacts	1	10	100
42657	609-14	0.3"	14	\$0.55	\$0.468	\$0.351
42674	609-16	0.3"	16	.65	.53	.412
104097	609-20	0.3"	20	.83	.75	.66
42691	609-24	0.6"	24	1.10	.74	.68
99670	609-28	0.6"	28	.98	.83	.63
42712	609-40	0.6"	40	1.42	.96	.86

⊕ Blue Part No. = Limited Quantity Available

PC Card-Edge Connector

- Fits all PC boards
- 0.054" to 0.070" thick
- Solder tail 0.200" spacing between rows
- Contact centers: 0.100"
- Without mounting ears



Part No.	Mfr.	Position	Contacts	1	10
40694	Value Pro	31/62	Tin (PC/AT)	\$1.45	\$1.25
1945049	Various	50/100	Tin	.99	.75

ERNI

- Pin diameter: 0.6mm x 0.6mm
- Current rating: 1.6A @ 70°C
- Contact resistance: 20mΩ
- Housing: PBT; UL94V-0

PCB Connectors

- Operating temperature range: -55°C to 125°C
- Dielectric strength: 1000V_{RMS} contact-contact; 1550V_{RMS} contact-ground
- Insulation resistance: 10⁴MΩ • Termination area: copper alloy, tin
- Contact and mating area: copper alloy, gold plated

Part No.	Product No.	Type	Description	Pins	Termination	Terminal Length	Pricing		
							1	10	100
1834091	913135	C	Vertical F w/ transfer zone (2.5mm pressfit zone)	96	Pressfit	17	\$7.65	\$6.90	\$6.22
1834082	913110	C	Vertical F	96	Pressfit	5.5	3.25	2.89	2.60
1821038	533402	C	Right angle M	96	Solder	3	2.05	1.81	1.63
1819085	413865	C/2	Right angle M	48	Solder	3	2.55	2.26	2.04
1810654	023762	CD	Vertical F	128	Solder	3.7	12.09	10.84	9.76
1810283	004778	E160	Right angle M	160	Solder	3	16.59	14.95	13.46
1818525	334415	R	Straight M	96	Solder	4	2.89	2.59	2.34
1810689	024070	E	Housing size E160-160 F	160	—	—	12.09	10.90	9.76
1810321	013161	TE	Straight M (2.5mm pressfit zone)	160	Pressfit	6	12.09	10.84	9.76

⬆ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Connectors are available online at www.Jameco.com/Interconnect

CINCH CARDCON™ Edge Connectors

- 0.156" (3.96mm) density • Contact res.: 6mΩ max.
- W/standing volt.: 1800VAC_{RMS} • Current rating: 5A
- Insulation resistance: 5000MΩ min.

Commercial Grade

- Insulation material: glass filled polyester, black, UL94V-0 rated
- Contact material: spring brass
- Contact plating: 10μ" selective gold over 30μ" nickel in contact, tin on tails



423265

Double solder tails, double readout, 0.200" (5.08mm) row spacing

Part No.	Product No.	Contacts/Pos.	1	10	100
1775941	50-12SN-3	6/12	\$2.55	\$2.02	\$1.73
423118	50-20SN-3	10/20	3.25	2.98	2.69
423265	50-44SN-3	22/44	5.29	4.79	4.39

High Reliability

- DIP solder/solder eyelet
- Insulation material: thermoplastic black or diallyl phthalate green
- Contact material: phosphor bronze
- Contact plating: 30μ" selective gold over 50μ" copper in contact area, 5μ" gold on tails



DIP solder tail, double readout, 0.200" (5.08mm) row spacing

Part No.	Product No.	Contacts/Pos.	1	25	50
1775959	50-30H-10	15/30	\$7.79	\$7.36	\$6.36
1775967	50-44H-10	22/44	9.49	9.29	8.75
423273	50-44B-10	22/44	4.39	4.21	3.87

DIP solder tail, single readout, 0.128" (3.25mm) mounting hole

Part No.	Product No.	Contacts/Pos.	1	25	50
423290	50-22B-10	22/22	\$6.25	\$5.67	\$5.21

CINCH Card Extender

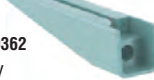
- Insulation material: diallyl phthalate, green
- Contact material: beryllium copper
- Contact plating: 30μ" select gold over 50μ" nickel in contact area, 10μ" gold tails
- Withstanding voltage: 830VAC_{RMS}
- Current rating: 5A • Contact resistance: 5mΩ max.
- Insulation resistance: 5000MΩ min.



Part No.	Product No.	Contacts/Pos.	1	25	50
1775975	50-44S-30	22/44	\$7.99	\$7.49	\$7.29

CINCH Accessories

- 1809362: card guide, polypropylene, green
- 448489: polarizing key, glass epoxy



Part No.	Product No.	1	25	50
1809362	50GP-1	\$0.99	\$0.89	\$0.82
448489	50PK-2	.29	.26	.24

AMP For AMP Card Edge Connectors, visit www.Jameco.com

www.Jameco.com

Our enhanced website offers thousands of additional products. Find products quickly and order them easily.

▲ This product typically requires two additional days to ship. Please request "ship partial" if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

CINCH Jones Plugs and Sockets

Series 300 Multiple-Density Solder-Eyelet Connectors

- Insulation material: molded monoblock, black phenolic
- Contact material: plug – brass; socket – phosphor bronze
- Contact plating: cadmium
- Current rating: 10 amps
- Operating voltage: 250VAC max.
- Contact resistance: 16mΩ max.
- Hood material: UL 94V-0 rated thermoplastic



248823



248786

Sockets with Hood and 180° Clamp

Part No.	Product No.	Contacts	1	25
248807	S-302-CCT	2	\$3.35	\$2.70
248823	S-304-CCT	4	3.95	3.20
248831	S-306-CCT	6	4.85	4.00
427952	S-315-CCT	15	10.49	7.87

Plugs with Hood and 180° Clamp

Part No.	Product No.	Contacts	1	25
248760	P-302-CCT	2	\$2.39	\$2.12
248786	P-304-CCT	4	3.85	3.12
248794	P-306-CCT	6	4.19	3.42

Series 2400 Multiple-Density Solder-Eyelet Connector

- Current rating: 15A
- Current resistance: 1mΩ max.
- Operating voltage: 250VAC
- Contact plating: cadmium
- Plug prongs are 0.250"W x 0.55"Th.
- For use in cable-to-cable & cable-to-panel applications
- Socket contacts have solder eyelets with 0.093" dia.
- Insulation material: molded monoblock, general purpose phenolic, black
- Contact material: plug-brass; socket-phosphor bronze
- Hood material: formed metal with dielectric liner



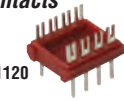
Plug with Hood and 180° Clamp

Part No.	Product No.	Contacts	1	25
428197	P-2408-CCT	8	\$10.39	\$9.48

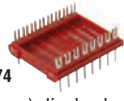
ARIES DIP Headers

Series 600 Headers w/ Coined Contacts

- Standard cover/body material is red UL 94-HB glass filled nylon
- High temperature cover/body material is black UL 94V-0 4/6 nylon
- Contact plating: 100μ" min., tin
- Contact rating: 2A
- Operating temp.: 221°F (105°C) max.
- Fork contacts: accept up to .025" (.64mm) dia. leads



291120



291574

Part No.	Product No.	Pos.	W (in.)*	1	10	100
291120	08-600-10	8	0.300	\$1.08	\$1.02	\$0.77
291312	14-600-10	14	0.300	1.55	1.37	1.11
291574	16-600-10	16	0.300	1.69	1.49	1.22

* Center to center pin width

CA .100" DIP Header Plugs

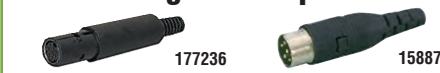
- Gold-plated leads
- Header plugs: keyed corner to indicate pin 1
- U-shaped pin termination for easy component attachment
- Lead length: 0.188" • 0.1" spacing between leads



37331

Part No.	Product No.	Width	Pins	1	10	100
37130	14HP	0.3"	14	\$1.55	\$1.34	\$1.08
37331	16HP	0.3"	16	2.15	1.93	1.39

JAMECO ValuePro DIN and Mini DIN Plugs & Receptacles



- Solder barrels w/ strain relief
- See pg 56 for cable

Part No.	Pins	Type	1	10	100
142280	4	Mini plug	\$0.80	\$0.72	\$0.54
142262	6	Mini plug	.89	.77	.59
177244	6	Mini receptacle	1.19	1.02	.83
111879	8	Mini plug	1.19	1.07	.89
177236	8	Mini receptacle	1.09	.93	.69
15879	5	DIN plug	.54	.49	.43
180873	5	DIN receptacle	.63	.54	.408
15887	6	DIN plug	.65	.54	.422
15895	8	DIN plug	.78	.68	.516

JAMECO ValuePro DIN Female Sockets

- Panel mount with solder lugs
- Metal body



Part No.	Cross Ref.	# of pins	1	10	100
15843	DINJ5	5	\$1.45	\$1.26	\$1.15
15852	DINJ6	6	1.75	1.56	1.44
15861	DINJ8	8	1.49	1.35	1.15

JAMECO ValuePro Right Angle DIN Female Sockets

- Set back: 0.5"
- PC mount contacts

119474: Plastic/metal body
29400: Plastic body

Part No.	Cross Ref.	No. # of pins	1	10	100
119474	MDR6S	6 (mini)	\$0.94	\$0.80	\$0.62
29400	RD5	5	.56	.49	.38

JAMECO ValuePro PCB Centronics Connector

- Solder-type contacts
- Space between rows: 0.164"
- Space between pins: 0.1"
- Metal body
- PC mount



Part No.	Description	1	10	100
72151	36-contact F, rt angle	\$3.55	\$3.02	\$2.27

JAMECO ValuePro PS/2 Keyboard Adapter

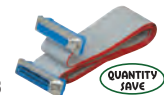
- Connects AT type keyboards to the PS/2
- 5-pin female DIN to 6-pin male mini DIN (PS/2)



Part No.	Length	Housing	1	10	100
159097	1.4"	Metal	\$3.49	\$2.99	\$2.24

Ribbon Cable Assemblies

- Metal connector
- 300V rating
- 28 AWG flat cable
- 105°C rating
- Tin-plated contacts



Part No.	Description	1	10	100
12408	4' DB25 M-F	\$5.09	\$4.33	\$3.25
208582	6' DB9 M-F	4.75	4.26	3.83

Computer Cable Connectors & Sockets

3 LEVELS OF SAVINGS
FRANCHISE SOURCED JAMECO
GENERIC & NON-FRANCHISED HOUSE BRANDS FACTORY OVERRUN

Additional Connectors and Sockets are available online at www.Jameco.com/Interconnects

SCSI Adapter

- DB25 female to
HDB50 male SCSI II

NEW
MARKED IN PINK



Part No.	Description	1	10	50
167370	DB25 F to HPDB50 M	\$1.39	\$1.27	\$1.16

D-Sub 9-Pin to 25-Pin Serial Adapters

JAMECO
EXCLUSIVE

- 10321: For PC/XT systems
with DB25 serial ports.

- 139985: gold-plated contacts,
extra long thumbscrews



Part No.	Description	1	10	100
10321	DB9 M to DB25 F ⊕	\$5.15	\$4.32	\$3.64
189632	DB9 M to DB25 M ⊕	3.49	3.15	2.85
139985	DB9 F to DB25 F ⊕	3.99	3.36	2.52

D-Sub 9-Pin to 25-Pin Serial Adapter

- For use in AT or other
computer systems that
have 9-pin D-sub serial ports



Part No.	Description	1	10	100
10305	DB9 F to DB25 M ⊕	\$3.15	\$2.69	\$1.99

Panel Bracket Cable Assemblies

- Standard back panel bracket
- Length: 12"
- Ribbon cable with
header connector



- 355688: 1 serial port
- 149623: 1 parallel port

Part No.	Description	1	10	25
355688	DB9 to 10-pin header	\$2.95	\$2.49	\$1.95
149623	DB25 to 26-pin header	4.29	3.65	2.74

Computer Card Brackets



- For securing cards into bus slots
- Length: 4.75"
- Fits PC/XT/AT cases
- See pg 67 for DB connectors

Part No.	Description	Fig.	1	10	100
101717	For DB9 connector ⊕	1	\$1.79	\$1.59	\$1.45
101733	For DB25 connector ⊕	2	1.79	1.52	1.14
101741	For DC37 connector ⊕	3	1.79	1.59	1.45
101831	For DB9/DB25 conn.	4	1.79	1.59	1.45

Full Handshaking Null Modem Adapters

- Self-contained null-modem
(cross-over) adapters. Change
any standard straight cable
into a null cable quickly
and easily.

JAMECO
EXCLUSIVE



Internal pin configuration:

- 17224: 1-1, 2-3, 3-2, 4-5, 5-4, 6-20, 20-6, 7-7, 8-20
- 26243: 1-1, 2-3, 3-2, 4-8, 8-4, 5-8, 8-5, 6-20, 20-6, 7-7

Part No.	Description	1	10	100
26243	DB25 M to DB25 F ⊕	\$4.35	\$3.70	\$2.78
17224	DB25 F to DB25 F ⊕	3.65	3.10	2.32

Slim-Line D-Sub Gender Changers

JAMECO
ValuePro

JAMECO
EXCLUSIVE



For Confined Applications!

These revolutionary slim-line gender changers are only 0.69" wide, eliminating the space problems caused by standard gender changers. When plugged into your existing cable, they add only 0.44" to the cable. All-metal cases.

- Captive locking screw (male)
- Tin plated shells
- Captive locking nut (female)
- Grounding tangs (male)

Part No.	Description	1	10	100
18497	9-pin male to male ⊕	\$5.19	\$4.72	\$4.19
18489	9-pin female to female ⊕	5.85	5.29	4.70
56071	15-pin male to male	3.95	3.49	2.95
56063	15-pin female to female	4.15	3.74	3.35
119320	15-pin female to female HD	4.75	4.28	3.84
119301	15-pin male to male HD ⊕	5.25	4.76	4.19
18447	25-pin male to male	5.95	5.39	4.79
18420	25-pin female to female ⊕	5.95	5.48	4.86
170085	25-pin M-F (pass thru)	3.55	3.18	2.82

Great Prices on Factory Overruns from Other Mfrs.

1945321	9-pin male to female (pass thru)	\$2.25	\$1.75	\$1.49
1945330	15-pin male to female HD	3.49	2.49	1.95

Standard D-Sub Gender Changers

JAMECO
ValuePro

JAMECO
EXCLUSIVE



- Standard 9-pin D-sub male and female
gender changers for interfacing two cables
or connectors of the same gender

Part No.	Description	1	10	100
16635	D-sub 9-pin male ⊕	\$2.59	\$1.79	\$1.34
16643	D-sub 9-pin female ⊕	2.29	2.13	1.59

USB-A & B Connectors

JAMECO
ValuePro

1.0 & 2.0 Female Connectors



- PC mount right angle with board locks

Part No.	Description	1	10	100	1000
161024	USB-A 1.0 connector	\$0.86	\$0.77	\$0.62	\$0.465
230957	USB-B 2.0 connector ⊕ .....	.99	.85	.55	.42

AMP USB Type-A Connector

- Right angle female
- Dual stacked
- 4-position thru-hole
- Material: thermoplastic
UL94V-0 black
- Shell & contacts: copper alloy



Part No.	Product No.	1	10	100
839842	787617-1	\$1.32	\$1.29	\$1.25

More Products Available at www.Jameco.com

AMP USB Type-B Connector

- Right angle, female
- 4-position, thru-hole
- Material: shell and
contacts – copper alloy;
housing – UL94V-0 thermoplastic
- Plating: 0.076µm min. gold over 0.76µm min.
palladium-nickel on mating area, 3.8µm min.
matte tin on solder tails both over nickel



Part No.	Product No.	Color	1	10	100
839906	787780-2	Natural	\$1.49	\$1.29	\$1.17

PS/2 – USB Adapter

This adapter allows
you to use your PS/2
compatible mouse
and keyboard as USB
compatible devices.



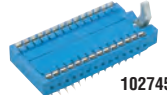
- USB - A Male to two PS/2 female connectors
- Color coded PS/2 connectors for keyboard & mouse

Part No.	Length	Housing	1	10	25
645351	13"	USB adapter ...	\$12.35	\$11.75	\$11.15

Low Profile ZIF Sockets

Series 526

- Body: UL 94V-0 glass-filled
polyester thermoplastic
- Beryllium copper alloy spring
tempered contacts w/ 200µ"
(5.08µm) tin plating
- Contact res.: 10mΩ max.
- Breakdown voltage: 1000VAC min.
- Center pins: .600" (15.24mm)
- Operating temp.: -67°F to 221°F (-55°C to 105°C)
- Suggested PCB hole size: .035" (0.89mm) Dia.



Part No.	Product No.	Pins	L" x W"	1	10	100
102745	28-526-10	28	1.64 x .75	\$6.05	\$5.50	\$4.95
102753	40-526-10	40	2.24 x .75	9.25	8.41	7.15

High Temp. Universal ZIF Test Sockets

Series 6554

- Accepts devices on .300" to .600"
(7.62mm to 15.24mm) centers
- 10: 100µ" tin over 50µ" nickel;
- 11: 10µ" gold over 50µ" nickel
- Operating temperature:
-10: 221°F (105°C) – tin plating
-11: 302°F (150°C) – gold plating
- Socket body: UL 94V-0 glass-filled PPS
- Beryllium copper contact plating
- Stainless steel handle
- Insulation res.: 1000MΩ
- Dielectric withstanding voltage: 1000VAC



Part No.	Product No.	Pins	L" x W"	1	10	100
103992	24-6554-10	24	1.8 x 0.9	\$9.09	\$8.20	\$7.23
104003	28-6554-10	28	2.0 x 0.9	9.75	8.54	8.26
104012	32-6554-10	32	2.1 x 0.9	9.95	8.49	8.29
104030	40-6554-10	40	2.5 x 0.9	11.85	10.29	9.92
295162	28-6554-11	28	1.4 x 0.9	11.85	10.91	10.36
295209	32-6554-11	32	1.6 x 0.9	13.59	11.89	11.56
295233	40-6554-11	40	2.0 x 0.9	16.25	14.19	13.79

For Augat Press-Fit Sockets, visit www.Jameco.com

Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost!

Additional Sockets are available online at www.Jameco.com/Interconnect

AMP PGA Socket

- Open frame style
- Low profile
- Intel Celeron, PIII chip compatibility
- LCP cover material, UL94V-0 natural
- Contacts: copper alloy/gold • 19 x 19 grid



Part No.	Product No.	Pins	1	10	100
838735	2-916783-2	370	\$7.95	\$5.55	\$5.03

AMP PQFP Socket & Cover

- Housing: high temperature thermoplastic, black, 94V-0 rated
- Cover: polyphenylene sulfide (PPS) 94V-0 rated, black
- Contacts: phosphor bronze, tin



Part No.	Product No.	Description	1	10
840587	821949-5	132-pos socket ..	\$31.95	\$26.22
840552	821942-1	132-pos cover	5.99	4.80

JAMECO ValuePro SIMM Socket

- Locking tabs
- Tinned contacts
- Keyed mounting posts
- Memory module sockets



JAMECO
EXCLUSIVE

Part No.	Description	1	10	100	500
100302	Single x 30-pin, vert.	\$.99	\$.89	\$.79	\$.75

AMP DIMM Socket for SDRAM Modules

- Material: high temperature plastic, UL94V-0 natural
- Latch: stainless steel, tin plating
- Contact: copper alloy/25µ" gold plate on contact area, 30µ" gold plate on solder area



Part No.	Product No.	Positions	1	10	100
847869	390112-1	144	\$5.35	\$3.56	\$3.10

AMP Single Row DDR Socket

- Locklever: stainless steel
- Contact & solder pegs: copper alloy
- Plating: gold flash over nickel, gold plate on solder area, tin on solder peg
- Housing: high temperature thermoplastic, UL94V-0



Part No.	Product No.	Pins	1	10	100
898818	1473005-1	200	\$11.89	\$11.28	\$10.72

JAMECO ValuePro PLCC Solder Tail Sockets

- Solder tail allows through-hole board patterns in .100" grid
- Accepts JEDEC type "A" plastic lead chip (0.05" centers)
- Thru-hole lead length: .125"
- Body height: .375"



QUANTITY
SAVE
JAMECO
EXCLUSIVE
71969

Part No.	Cross Ref. No.	Pins	1	10	50	100
71618	G1P444	44	\$1.15	\$.99	\$.81	\$.69
72442	G1P452	52	1.05	.95	.76	.57
71969	G1P468	68	1.39	1.18	1.06	.94
71977	G1P484	84	1.35	1.24	.97	.73

AUGAT PLCC Socket

- Contacts: copper alloy with 180µ" to 340µ" tin plate over 50µ" min. nickel
- Insulator: PPS brown, UL94V-0
- Contact res.: 30mΩ max.
- Capacitance: 1pF max. @ 1kHz
- Current rating: 1A
- Dielectric withstanding voltage: 600VAC



Part No.	Product No.	Positions	1	10	100
1020441	PCS-068A-1-LF	64	\$2.45	\$2.07	\$1.96

AMP SMT PLCC Sockets

- 4.6mm high
- Housing: high temperature thermoplastic, UL94V-0 brown
- Voltage/current rating: 250V, 1A
- Contact resistance: 200MΩ max.
- Contacts: phosphor bronze/tin lead (P/N 1404699: phosphor bronze/mate-tin)
- Insulation resistance: 5000MΩ min.



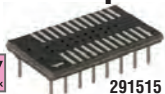
Part No.	Product No.	Positions	Price
841723	3-822498-1	32	Call/Web
1404699	3-822516-7	32	Call/Web

* Please call or visit our website for minimum order quantity & pricing

ARIES SOIC/SOJ to DIP Adapters

- SOIC package
- Board material: 0.062" thick FR-4 w/ 1 oz. copper traces on both sides
- Brass alloy pins w/ 200µ" (5.08µm) min. tin plating
- Operating temperature: 221°F (105°C) max.
- Suggested PCB hole size: 0.028" (0.71mm) Dia.
- Center pins: 0.300" (7.62mm); except P/N 292040: center pins: 0.600" (15.24mm)

NEW
MARKED IN PINK



Part No.	Product No.	Pins	L"xW"	1	10	100
291208	08-350000-10	8	.400 x .46	\$6.85	\$5.72	\$5.26
291515	16-350000-10	16	.800 x .45	7.99	6.41	5.52
292040	24-650000-10	24	1.2 x .70	11.59	9.80	8.51

When to Mix Apples & Oranges

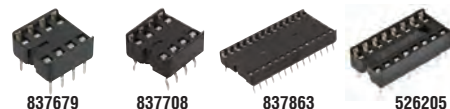
Clearly we know that DIP sockets were devised for DIP semiconductors and SMT semis mount straight onto the PCB. We also know that prototyping SMT devices is much more difficult than DIP because of the package.

So how do you make prototyping SMT-only products much faster and easier? Just use a DIP socket! No, I'm not writing crazy talk... check out the Bellin Dynamic Systems SMT proto boards on page 170. Simply solder your devices to these carrier boards once. The DIP pins on the underside plug into your DIP sockets, so you can plug and exchange them like lego building blocks and then reuse them in future prototyping endeavors.



Practical Practices
 Money Saving Tips for the Engineer

AMP DIP Sockets



Dual Leaf Straight Solder Tail, Phosphor Bronze w/ 15µ" Gold Plate

- Accepts .008" to .014" thick IC leads
- Housing: glass filled thermoplastic, 94V-0 rated, black

* Minimum order 5 pieces

Part No.	Product No.	Pos.	Width	1	5	100
837679	2-640463-4	8	0.3	\$.85	\$.61	\$.54

Retention Solder Tail, Beryllium Copper/Tin

Part No.	Product No.	Pos.	Width	1	5	100
837708	2-641260-1	8	0.3	\$.59	\$.47	\$.36

838090	2-641609-1	14	0.3	.59	.47	.36
838196	2-641615-1	28	0.3	.71	.60	.57

Retention Solder Tail, Phosphor Bronze/Tin

Part No.	Product No.	Pos.	Width	1	5	100
837863	2-641267-3	28	0.6	\$.392	\$.353	

Economy Ladder Style

- Housing: glass filled thermoplastic, black
- Contacts: phosphor bronze tin plating
- Minimum order 10 pieces

Part No.	Product No.	Pos.	Width	10	100	500
683091	1-390261-1	6	0.3	\$.076	\$.069	\$.065
526299	390261-2	8	0.3	.081	.074	.07
683104	1-390261-2	8	0.3	.081	.074	.07
526192	390261-3	14	0.3	.089	.084	.081
683112	1-390261-3	14	0.3	.106	.098	.089
526205	390261-4	16	0.3	.093	.086	.082
683121	1-390261-4	16	0.3	.125	.105	.098
526213	390261-5	18	0.3	.146	.135	.118
683139	1-390261-5	18	0.3	.146	.135	.118
526221	390261-6	20	0.3	.155	.137	.13
683147	1-390261-6	20	0.3	.141	.129	.119
683163	1-390261-8	24	0.3	.183	.174	.165
683198	1-390262-1	24	0.6	.223	.199	.189
526248	390261-9	28	0.3	.243	.235	.219
683171	1-390261-9	28	0.3	.243	.235	.219
526256	390262-2	28	0.6	.255	.237	.221
683201	1-390262-2	28	0.6	.255	.237	.221
526272	390262-5	40	0.6	.24	.22	.21
683227	1-390262-5	40	0.6	.282	.271	.252

Jdv Wire Wrap Socket I.D. Markers

- Material: plastic
- Quick identification of pin numbers
- Slips onto socket before wrapping
- Can easily write location, part number or function



37145

Part No.	Prod. No.	Pins	Width (in.)	1	10	100
51561	8ID	8	0.3	\$.63	\$.276	\$.207
37145	14ID	14	0.3	.35	.31	.28
37356	16ID	16	0.3	.36	.325	.247
38586	20ID	20	0.3	.55	.50	.45
39327	24ID	24	0.6	.44	.408	.384
40299	28ID	28	0.6	1.25	.79	.70
41101	40ID	40	0.6	.94	.92	.91

We're committed to providing you with the best service in the industry.

* This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

Additional Sockets are available online at www.Jameco.com/Interconnect

AUGAT DIP Sockets

500 Series Four Fingered Contact & Solid Insulator

- Precision four fingered inner contacts provide concentric funnelentry for easy flat and rounded lead insertion
- Insulator: thermoplastic polyester, UL94V-0 rated
- Sleeve: machined brass/formed copper
- Contact: beryllium copper
- Contact plating: gold
- Contact res.: 10mΩ max.
- Contact rating: 3A
- Capacitance: 1pF per MIL-STD-202
- Insulation resistance: 5000MΩ min.
- Dielectric withstanding voltage: 1000VRMS



Part No.	Product No.	Pins	Width	1	10	100
848001	540-AG11D	40	0.6"	\$13.75	\$12.88	\$12.12

800 Series Open Insulator

Part No.	Product No.	Pins	Width	1	10	100
848343	820-AG11D-ESL	20	0.3"	.. \$0.85	\$0.76	\$0.71
848511	824-AG31D-ESL	24	0.3"	.. \$1.18	\$1.12	\$1.06
848562	828-AG11D-ESL	28	0.6"	.. \$1.17	.99	.95
765548	828-AG11D-ESL	28	0.6"	.. \$1.15	\$1.04	.98

Machine Tooled Solder Tail Low-Profile Sockets

- Contact plating: gold
- Tin-plated leads
- Contact current: 3A
- Multiple contact elements
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300VRMS
- Insulation resistance: greater than 1000MΩ
- Material: beryllium copper or phosphor bronze
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Sleeve material: brass
- Thru-hole lead length: .177" (A) • Body ht.: .117" (B)



Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100
167003	6MLPT	6	0.3	..... \$0.29	\$0.26	\$0.18
51626	8MLP	8	0.3	..... .28	.25	.21
37197	14MLP	14	0.3	..... .44	.40	.34
37402	16MLP	16	0.3	..... .47	.43	.323
65585	18MLP	18	0.3	..... .65	.57	.492
38623	20MLP	20	0.3	..... .59	.55	.45
39386	24SMLP	24	0.3	..... .59	.49	.39
39351	24MLP	24	0.6	..... .78	.71	.64
114412	28SMLP	28	0.3	..... .85	.75	.65
40329	28MLP	28	0.6	..... 1.95	1.77	1.53
105381	32MLP	32	0.6	..... .95	.85	.75
41136	40MLP	40	0.6	..... 1.59	1.42	1.07
42060	48MLP	48	0.6	..... 1.55	1.32	.99

Great Prices on Special Buys from Other Mfrs.

662573	8MLP	8	0.3	..... \$0.22	\$0.20	\$0.17
192209	224SMLP	22	0.4	..... .45	.35	.29
652359	24MLP-GLD	24	0.6	..... .49	.39	.29
184680	284SMLP	28	0.4	..... .49	.39	.29
662629	40MLP	40	0.6	..... 1.09	.95	.69

Machine Contact Dual-In-Line Female Socket

- 0.100" centers
- Solder tail contact: .114"L
- Contact clip: gold
- Pin sleeve: tin



Part No.	Cross Ref. No.	Pins	1	10	100
212936	SA481000	48	..... \$1.20	\$1.11	\$1.01

◆ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Machine Contact Single-In-Line Female Sockets

- Machine tooled
- Single row
- Solder tail and wire wrap

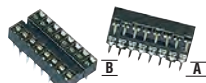


Part No.	Description	78642	104054
102201	10-pin	..... \$0.27	\$0.24 \$0.21
78642	30-pin	..... .99	.88 .76
175920	36-pin	..... 1.35	1.20 1.07
101283	20-pin WW2	..... 1.65	1.49 1.19
104054	30-pin WW3	..... 2.25	2.00 1.50

† Lead length: .435" (2) * Lead length: .575" (3)

Dual Wipe Solder Tail Low-Profile Sockets

- Contact current: 1A
- Contact resistance: less than 5mΩ
- Body height: .188" (B)
- Dielectric withstanding voltage: 300V
- Insulation res.: greater than 1000MΩ
- Thru-hole lead length: .140" (A)
- Prepackaged: please order in increments of 10



Part No.	Ref. No.	Pins	Width (in.)	10	100	1000
112193	6LPD	6	0.3	... \$0.104	\$0.074	\$0.069
112206	8LPD	8	0.3	..... .09	.08	.07
112214	14LPD	14	0.3	..... .10	.075	.05
112222	16LPD	16	0.3	..... .13	.115	.095
112231	18LPD	18	0.3	..... .14	.11	.09
112282	24SLPD	24	0.3	..... .28	.26	.18
112266	24LPD	24	0.6	..... .215	.171	.152
112299	28SLPD	28	0.3	..... .21	.19	.17
112301	32LPD	32	0.6	..... .206	.191	.175
112311	40LPD	40	0.6	..... .317	.259	.225

Great Prices on Special Buys from Other Mfrs.

Single & Dual Wipe Low-Profile Sockets

Part No.	Ref. No.	Pins	Width (in.)	10	100	1000
51571	8LP	8	0.3	... \$0.082	\$0.073	\$0.06
689928	ED08DT	8	0.3	..... .08	.07	.06
37162	14LP	14	0.3	..... .092	.069	.046
689936	ED14DT	14	0.3	..... .07	.06	.05
37373	16LP	16	0.3	..... .119	.105	.087
38113	18LP	18	0.3	..... .09	.08	.06
689952	ED18DT	18	0.3	..... .12	.09	.07
38608	20LP	20	0.3	..... .153	.13	.098
112248	20LPD	20	0.3	..... .16	.13	.10
39378	24SLP	24	0.3	..... .187	.178	.16
39336	24LP	24	0.6	..... .309	.29	.213
40301	28LP	28	0.6	..... .171	.117	.092
112272	28LPD	28	0.6	..... .19	.16	.12
689961	ED28DT	28	0.3	..... .15	.12	.09
689979	ED32DT	32	0.6	..... .15	.12	.09
41111	40LP	40	0.6	..... .25	.23	.16
689987	ED40DT	40	0.6	..... .22	.19	.15

† Dual Wipe

Level 3 Machine Tooled Wire Wrap Sockets

- Contact plating: gold
- Tin-plated leads
- Contact resistance: <5mΩ
- Dielectric withstanding voltage: 300VRMS
- Material: beryllium copper or phosphor bronze
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Insulation resistance: greater than 1000MΩ
- Thru-hole lead length: .365" (L2); .515" (L3)
- Sleeve material: brass
- Body height: .115" (A)



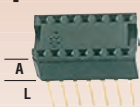
Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100
94474	8MSWW3	8	0.3	.... \$0.64	\$0.55	\$0.456
62051	14MSWW3	14	0.3	.... 1.05	.88	.74
37411	16MSWW3	16	0.3	.... 1.19	1.01	.85
94482	18MSWW3	18	0.3	.... 1.15	.98	.82
38632	20MSWW3	20	0.3	.... 1.39	1.20	1.00
105372	24MSWW3	24	0.3	.... 1.59	1.36	1.14
94491	24MSWW3	24	0.6	.... 1.85	1.58	1.34
200716	28MSWW3	28	0.3	.... 1.85	1.54	1.29
40336	28MSWW3	28	0.6	.... 1.89	1.60	1.52
117058	32MSWW3	32	0.6	.... 2.19	2.00	1.80
94503	40MSWW3	40	0.6	.... 2.75	2.35	1.96

Great Prices on Special Buys from Other Mfrs.

313656	24MSWW3	24	0.6 \$1.49	\$1.39	\$1.19
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Level 1, 2 & 3 Wire Wrap Sockets

- Contact plating/leads: gold (WW) or tin (TWW); dual wipe
- Material: beryllium copper or phosphor bronze
- Contact current: 1A
- Contact resistance: <5mΩ
- Insulation resistance: greater than 1000MΩ
- Thru-hole lead length: .315" (L1); .438" (L2); .638" (L3)
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Dielectric withstanding voltage: 300V
- Sleeve material: brass
- Body height: .300" (A)



Gold (WW)

Part No.	Prod. No.	Pins	W (in.)	1	10	100	500
37234	14WW2	14	0.3	\$2.29	\$2.00	\$1.66	\$1.47
37480	16WW2	16	0.3	3.49	2.81	2.27	1.95
40353	28WW2	28	0.6	5.75	5.15	4.75	4.15

Tin (TWW)

Part No.	Prod. No.	Pins	W (in.)	1	10	100	500
37218	14TWW2	14	0.3	\$1.75	\$1.55	\$1.40	\$1.26
87637	18TWW2	18	0.3	1.43	1.36	1.29	1.19
75380	20TWW2	20	0.3	3.19	3.05	2.26	1.97
75416	24TWW2	24	0.6	.99	.79	.59	.49
41180	40TWW2	40	0.6	3.29	2.91	2.76	2.62

Great Prices on Factory Overruns from Other Mfrs.

196841	14TWW3	14	0.3	\$0.69	\$0.59	\$0.49	\$0.39
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Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

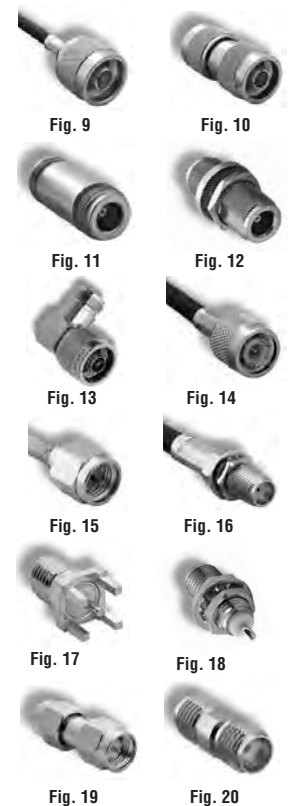
Additional Connectors and Adapters are available online at www.Jameco.com/Interconnect



Amphenol® Connex 50Ω/75Ω BNC Connectors and Adapters

* Crimp tools for these connectors below

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	QUANTITY SAVE		
						1	10	25
295953	112116	1	A	50Ω straight crimp plug, captive contact	RG-58/58A/58C/141/303/LMR195/B7806A	\$1.59	\$1.37	\$1.30
295970	112119	1	A	75Ω straight crimp plug, captive contact	RG-59/62/140/210	1.75	1.61	1.55
296016	112133	1	B	75Ω straight crimp plug, captive contact	RG-179/187/B9221	1.40	1.34	1.28
658371	112202	2	A	50Ω bulkhead crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A	3.39	3.21	2.82
658401	112235	2	B	75Ω bulkhead crimp jack	RG-179/187/B9221	3.25	3.05	2.94
658427	112424	3	—	50Ω receptacle jack, solder terminal	All 50Ω coax cables	1.85	1.74	1.68
296067	112431	4	—	50Ω bulkhead rec. jack, isolated, solder term.	All 50Ω coax cables	2.99	2.89	2.72
658507	112445	5	—	50Ω jack-to-jack adapter	All 50Ω coax cables	2.25	2.15	2.04
296083	112446	5	—	75Ω jack-to-jack adapter	All 75Ω coax cables	2.25	2.12	2.02
658515	112461	6	—	50Ω T-adapter, jack-plug-jack	All 50Ω coax cables	1.85	1.76	1.66
658540	202100	7	—	Male cap with chain	All BNC female connectors	2.15	2.03	1.94
658523	202103	8	—	50Ω terminator plug	All 50Ω coax cables	2.25	2.12	2.02
658531	202105	8	—	75Ω terminator plug	All 75Ω coax cables	2.15	2.06	1.97



Amphenol® Connex 50Ω Type N Connectors

* Crimp tools for these connectors below

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	QUANTITY SAVE		
						1	10	25
296454	172100	9	C	Straight crimp plug captive contact	RG-58/58A/58C/141/303/LMR195/B7806A	\$3.89	\$3.60	\$3.40
296471	172102H243	9	—	Straight crimp plug captive contact	RG-B9913/LMR400/B7810A/B8214	4.45	4.19	3.97
659286	172122	10	—	Plug-to-plug adapter	All 50Ω coax cables	6.75	6.15	5.61
659294	172123	11	—	Jack-to-jack adapter	All 50Ω coax cables	4.65	4.37	4.18
659307	172124	12	—	Bulkhead jack-to-jack adapter	—	6.05	5.80	5.54
659315	172126	13	—	Angled plug-to-jack adapter	—	7.75	7.32	7.00
296577	172142	9	C	Straight crimp plug captive contact	RG-55/142/223/400	4.55	4.26	4.11

Amphenol® Connex 50Ω/75Ω TNC Connectors

* Crimp tools for these connectors below

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	QUANTITY SAVE		
						1	10	25
296163	122372	14	A	50Ω straight crimp plug	RG-55/142/223/400	\$1.59	\$1.48	\$1.43

Amphenol® Connex 50Ω SMA Connectors

* Crimp tools for these connectors below

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	QUANTITY SAVE		
						1	10	25
296227	132101	15	—	Straight cable plug w/ contact, 0.085 semi-rigid	RG-405U	\$2.79	\$2.34	\$2.15
296331	132119	16	B	Bulkhead crimp jack	RG-174/188A/316/B7805A	5.29	4.53	4.15
296374	132134	17	—	Straight jack, PCB terminals	All 50Ω coax cables	3.79	3.65	3.45
659016	132137	18	—	Bulkhead jack receptacle, solder terminal	—	4.79	4.61	4.40
659032	132168	19	—	Plug-to-plug adapter	All 50Ω coax cables	5.19	4.95	4.70
659041	132169	20	—	Jack-to-jack adapter	All 50Ω coax cables	4.15	3.75	3.45
659059	132170	21	—	Jack-to-jack adapter, bulkhead feedthrough	—	6.19	5.89	5.56
659067	132171	22	—	Plug-to-jack adapter	All 50Ω coax cables	4.85	4.64	4.41
659075	132172	23	—	Right angle plug-to-jack adapter	All 50Ω coax cables	7.59	6.77	6.19

Amphenol® Connex Universal Hand Crimp Tools

Amphenol Connex 47 series coax crimp tools utilize industry standard crimp die-set dimensions. Full ratchet crimp action assures complete crimp before release.



667850

Part No.	Product No.	Crimp Tool	Die Cavities (in.)	Cable Groups	QUANTITY SAVE		
					1	10	5
667850	47-10070	A	.255/.213/.068	RG-55/58/59/62/141/142/223/303/400 (for BNC/TNC connectors)	\$59.89	\$53.93	
667905	47-10150	B	.178/.128/.068	RG-174/188/316/179/187/180/195/178/196 (for BNC/TNC connectors)	54.65	52.84	
667921	47-10180	C	.255/.213/.100/.068/.052	5 cavity RG-58/59 N/BNC/TNC/SMA connectors (for BNC/TNC/N connectors)	53.49	51.96	



AMP SMA Connectors, Adapters and Accessories

* Minimum order 10 pieces

Part No.	Prod. No.	Description	QUANTITY SAVE		
			1	10	100
739315	1053354-1	SMA jack, vertical PCB	\$10.85	\$10.29	\$9.77
896257	1054869-1	SMA in-series adapter, jack-to-jack, bulkhead, feedthrough	24.19	22.99	20.76
739391	1055687-1	SMA plug, straight	2.35	2.25	2.03
739446	1058117-1	BNC-SMA jack-to-jack adapter	36.89	31.65	30.59
740914	1-329631-2	Jam nut	*	.167	.157

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional BNC Connectors are available online at www.Jameco.com/Interconnect

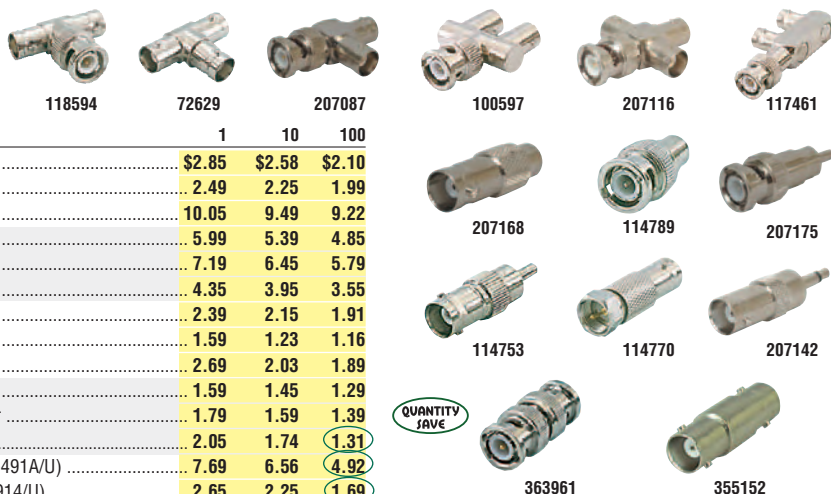
JAMECO ValuePro

BNC Adapters

- Silver-plated
- General purpose coax T-adapter
- ThinNet/Ethernet LAN adapter

JAMECO
EXCLUSIVE

Part No.	Cross Ref. No.	Description	1	10	100
118594	200-155	Male to female/female T-adapter	\$2.85	\$2.58	\$2.10
72629	200-150	Female to female/female T-adapter	2.49	2.25	1.99
207087	BJ-7078	Female to male/female T-adapter	10.05	9.49	9.22
100597	40958-Y	Male to female/female T-adapter (180°)	5.99	5.39	4.85
207116	BJ-7082	Male to female/female/female T-adapter	7.19	6.45	5.79
117461	B-068	Male to female/female F-adapter (90°)	4.35	3.95	3.55
207168	BJ-7072	RCA female to BNC female	2.39	2.15	1.91
114789	BR312	RCA female to BNC male adapter	1.59	1.23	1.16
207175	BJ-7055	RCA male to BNC male	2.69	2.03	1.89
114753	RB312	RCA male to BNC female adapter	1.59	1.45	1.29
114770	200-108	BNC female to "F" connector male adapter	1.79	1.59	1.39
207142	BJ-7075	3.5mm mono male to BNC female	2.05	1.74	1.31
363961	31-218	50Ω BNC straight adapter, plug-plug (UG-491A/U)	7.69	6.56	4.92
355152	31-219-RFX	50Ω BNC straight adapter, jack-jack (UG-914/U)	2.65	2.25	1.69



QUANTITY SAVE

QUANTITY SAVE

Amphenol[®] RF

50Ω BNC Connectors and Adapters

- Body plating: nickel/tin-lead
- Frequency range: 0-4GHz
- Working voltage: 500V
- Contact plating: silver/gold
- Cable type: 188306/188349: RG174/188A; 188306: RG58/141

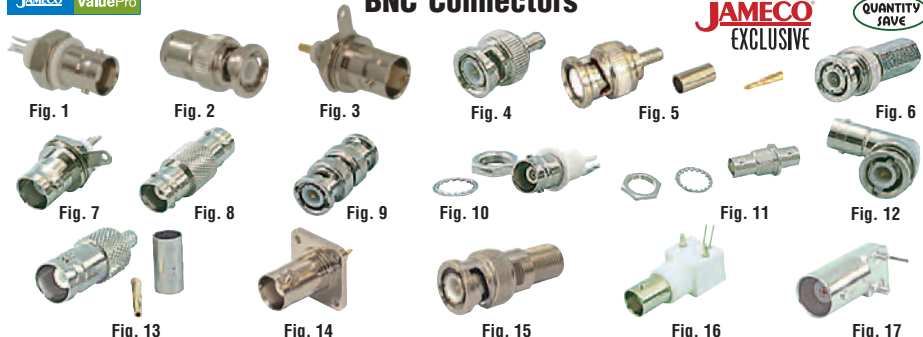


Part No.	Product No.	Description	1	10	25
188429	31-208-RFX	Jack-plug-jack	\$4.19	\$3.39	\$2.65
223554	31-3220	Bulkhead adpdr, straight, jack-jack	11.05	10.05	7.54
223511	31-221	Bulkhead recept., straight, solder cup	2.05	1.92	1.80
188349	31-315-RFX	Plug crimp, 3-piece	2.29	2.03	1.78
188306	31-320-RFX	Plug crimp, 3-piece	1.39	1.24	1.20

JAMECO ValuePro

BNC Connectors

JAMECO
EXCLUSIVE



Part No.	Cross Ref. No.	Fig.	Description	1	10	100
311343	31-10-RFX	1	50Ω BNC jack, bulkhead	\$2.55	\$2.12	\$1.71
311327	69475	2	50Ω BNC plug, clamp for RG-174/179/187/188/316	5.85	4.72	3.54
355178	31-221	3	50Ω BNC blkhd rcptcl w/ grounding lug, solder cup (UG-1094/U)	2.29	2.09	1.95
71790	200-177	4	BNC male terminator (75Ω)	1.65	1.31	1.07
135618	200-141	5	BNC male with pin and ferrule (RG6)	1.18	.92	.60
71482	200-145	5	BNC male with pin and ferrule (RG58)	1.65	1.49	1.35
71271	200-143	5	BNC male with pin and ferrule (RG59/62)	1.15	.96	.85
112110	G7409	5	BNC male with pin and ferrule (RG174)	3.59	3.26	2.90
71781	200-142	6	BNC male twist-on (RG59/62)	1.15	1.04	.94
71589	G1B235	7	BNC female panel mount (UG-1094A)	1.49	1.35	1.25
71909	200-160	8	BNC female/female coupler (UG-914)	1.29	.99	.85
127343	B-311	9	BNC male/male coupler (UG-491B/U)	2.39	2.15	1.67
111561	200-148	10	BNC female isolated bulkhead	2.29	1.99	1.79
148224	200-165	11	BNC female bulkhead feed-thru	1.99	1.89	1.69
148232	B-332-IF	11	BNC female isolated bulkhead feed-thru	2.49	2.24	1.68
127352	B-412	12	BNC M-F right angle (DG-306B/O)	3.15	2.36	1.77
160929	B211F-58	13	BNC female, crimp type (RG58)	1.49	1.28	.96
161922	B211F-174	13	BNC female, crimp type (RG174)	1.69	1.54	1.36
174290	TBC-090	14	BNC female chassis mount	1.43	1.22	.92
174255	TBC-176	15	BNC male to F connector female	2.35	1.86	1.70
146510	CH-7044S	16	BNC female R/A plastic insulation	1.95	1.75	1.49
161656	CH-7087D	17	BNC female right-angle metal	2.45	2.12	1.59

Finding the Needle in the Haystack

Remember the adage about doing it right the first time? If you try to take short-cuts, particularly with mechanical connections, the consequences can far outweigh the initial time savings.

So when you're crimping cables, and especially when you're crimping coax, make sure you use the right crimping tool! All it takes is one intermittent connection and you'll use all the time you ever saved, plus a whole lot more! (I'd prefer to find the needle in a haystack!) Make sure you invest now - it's not worth the cost later.



Practical Practices
Money Saving Tips for the Engineer

JAMECO ValuePro

SMB PCB Connector

- 0-4GHz electrical performance
- Contact: beryllium copper
- Gold plated brass
- Insulation: teflon

JAMECO
EXCLUSIVE

Part No.	Description	1	10	50
167312	Right angle PCB	\$5.39	\$4.58	\$4.12



JAMECO ValuePro

SMB Connector

- For use with RG-174 coax
- 50Ω crimp type
- Gold plated
- Use with crimping tool P/N 114535, pg 188



Part No.	Description	1	10	50
172371	Cable crimp plug	\$4.85	\$4.33	\$3.72

Additional RF Connectors & Cables are available online at www.Jameco.com/Interconnect

SMA Connectors, Couplers and Adapters

JAMECO ValuePro **JAMECO EXCLUSIVE**



- Application: cellular phone, data communication, instrumentation and video
- Frequency range: 0-18GHz
- Temperature range: -65°C to 165°C
- 50Ω impedance
- Plating: gold and nickel

Part No. 157972 153366/355304 145382 153285 159531 160022 160013 355283

Part No.	Cross Ref. No.	Description	Cable Type	Plated	1	10	50
157972	19-03F-4TGG	SMA 50Ω crimp type M plug connector	RG-58	Gold	\$4.75	\$4.04	\$3.03
153366	4804	SMA 50Ω crimp type M plug connector	RG-174	Gold	4.39	3.95	3.55
145382	19-46G	SMA straight F PCB mount connector, 4 legs	—	Gold	5.25	4.75	4.25
153285	SMA-7813	SMA bulkhead solder F w/ washer, rear mount	RG-58/174	Gold	3.49	3.29	2.99
159531	CH-7814	SMA F panel mount conn., 4 mounting holes*	RG-58/174	Gold	2.95	2.50	2.39
160022	CH-7815-G	SMA F panel mount conn., 2 mounting holes*	RG-58/174	Gold	4.79	4.31	3.90
160013	CH-7818-N	Panel mount feed thru connector F - F	—	Nickel	4.99	4.49	3.99
355283	901-143-6RFX	50Ω SMA jack, right angle, PC mount	—	Gold	4.55	3.63	3.55
355304	901-9877-RFX	50Ω SMA plug, crimp (RG-174/U; RG-188A/U; RG-316/U cables)	—	Gold	2.55	2.40	1.80

*159531/160022: Solder cup

Couplers

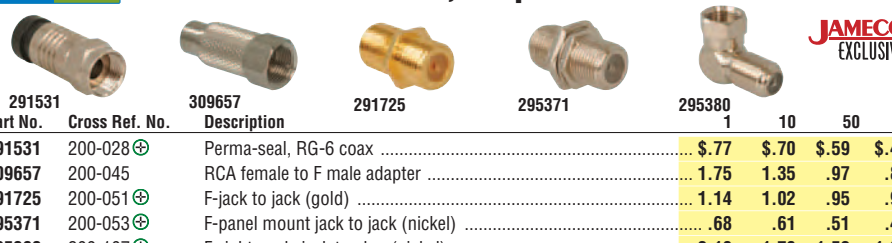
Part No.	Cross Ref. No.	Description	Plated	1	10	50	100
153294	SMA-7817	SMA straight coupler female - jack-to-jack	Gold	\$3.85	\$3.46	\$2.77	\$2.08
161293	S-311-G	SMA straight coupler male - male	Gold	4.25	3.83	3.44	3.20
161307	S-412-G	SMA right angle coupler male - female	Gold	5.99	5.39	4.79	4.38

SMA to BNC Adapters

Part No.	Cross Ref. No.	Description	Plated	1	10	50	100
153453	SB-321	SMA female to BNC male adapter	Nickel	\$2.59	\$2.29	\$2.09	\$1.89
159469	CH-7830-N	SMA female to BNC female adapter	Nickel	3.09	2.82	2.52	2.29
153593	4288	SMA male to BNC male adapter	Nickel	4.55	4.10	3.28	2.46
159477	CH-7820-N	SMA male to BNC female adapter	Nickel	2.99	2.69	2.45	2.19

75Ω "F" Connectors, Adapters & Terminators


JAMECO ValuePro **JAMECO EXCLUSIVE**



Part No.	Cross Ref. No.	Description	1	10	50	100
291531	200-028	Perma-seal, RG-6 coax	\$0.77	\$0.70	\$0.59	\$0.461
309657	200-045	RCA female to F male adapter	1.75	1.35	.97	.87
291725	200-051	F-jack to jack (gold)	1.14	1.02	.95	.90
295371	200-053	F-panel mount jack to jack (nickel)	.68	.61	.51	.402
295380	200-107	F-right angle jack to plug (nickel)	2.19	1.78	1.52	1.23

BNC Male Coax Cables

JAMECO ValuePro **JAMECO EXCLUSIVE**



RG6 75Ω Cables

Part No.	Description	1	10	50
176794	3' BNC to BNC	\$3.95	\$3.36	\$2.52

RG59/U 75Ω CATV & Video Patch Cords

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
86471	CRG59-1	1.5	\$3.95	\$3.61	\$3.38
85543	CRG59-6	6	5.89	5.30	3.98
102373	CRG59-12	12	5.99	5.40	4.85
262730	EBC-525	25	9.95	8.95	8.05
262748	EBC-550	50	17.05	15.35	12.28
262764	EBC-510	100	30.39	27.35	21.88

RG174/U 50Ω Network & Oscilloscope Cables

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
111473	RG174U3	3	\$5.45	\$4.93	\$4.45
111482	RG174U6	6	5.79	5.25	4.74

RG58/U 50Ω Network & Oscilloscope Cables

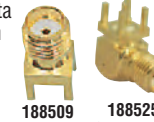
Part No.	Cross Ref. No.	Length (ft.)	1	10	50
181308	CRG58-1RR	1	\$3.65	\$3.29	\$2.95
102315	CRG58-1	1.5	3.99	3.59	2.87
256743	CBB-224-24	2	4.99	4.43	3.99
11404	CRG58-3	3	4.75	4.32	3.87
102331	CRG58-6	6	4.39	3.99	3.59
180822	CRG58-10	10	5.85	5.19	4.16
102350	CRG58-12	12	4.95	4.49	3.99
169818	CRG58-15	15	7.15	6.44	5.60
102357	CRG58-25	25	7.79	7.01	6.32
102381	CRG58-100	100	16.19	14.57	11.66

Great Prices on Special Buys from Other Mfrs.

102365	CRG58-50	50	\$13.29	\$11.19	\$10.15
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Amphenol® RF SMA PCB Jacks

- Applications: cellular phone, data communication, instrumentation and video
- Frequency range: 0-18GHz
- Temp. range: -65°C to 165°C
- 50Ω impedance



Part No.	Product No.	1	10	25
188509	901-144-8-RFX	\$3.19	\$2.56	\$2.49
188525	901-143-6-RFX	5.25	5.15	5.05

SMA/SMB 50Ω Coax Cables

JAMECO ValuePro **JAMECO EXCLUSIVE**

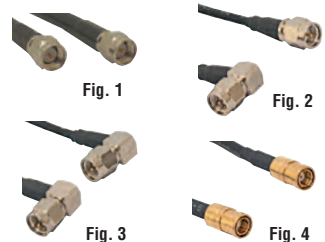



Fig. 1: SMA male to SMA male
 Fig. 2: SMA male to SMA right angle male
 Fig. 3: SMA right angle male to SMA right angle male
 Fig. 4: SMB plug to SMB plug

Part No.	Cable	Fig.	Lgth (ft.)	1	10	50
159370	RG-58	1	2	\$5.39	\$4.58	\$3.49
159397	RG-58	1	6	6.59	5.87	5.03
169801	RG-174	1	0.5	5.59	4.76	3.57
163855	RG-174	1	1	4.65	4.07	3.50
153382	RG-174	1	2	4.95	4.29	3.39
153391	RG-174	1	4	5.89	5.08	4.59
159451	RG-174	1	6	7.95	7.20	6.49
175127	RG-174	2	0.5	4.49	3.95	3.49
175135	RG-174	2	1	4.95	4.25	3.75
175143	RG-174	3	0.5	6.15	5.23	3.92
175152	RG-174	3	1	6.25	5.31	3.98
175178	RG-174	4	1	5.29	4.79	3.95

European Terminal Blocks

JAMECO ValuePro **JAMECO EXCLUSIVE**



- Number of poles: 12
- 1.2mm raised base
- Voltage: 600V
- Working temp.: 230°F (110°C)
- Terminal insert: brass metal alloy, nickel plated
- Material: Polyamide 66 (nylon 66), UL94V-2, natural
- Wire protector: stainless steel spring (DS)
- Screws: zinc plated, yellow chromed

Part No.	Cross Ref.	Amps	AWG	1	10	100
215011	PA8HDS	20A	12-22	\$1.79	\$1.59	\$1.29
215029	PA10HDS	30A	10-22	2.45	2.19	1.81
215037	PA12HDS	35A	10-22	2.85	2.50	2.17

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 175.

Terminal Blocks & Wire Connectors

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
JAMECO HOUSE BRANDS
FACTORY OVERRUN

Additional Terminal Blocks are available online at www.Jameco.com/Interconnect

CINCH Double Row Barrier Blocks

- Voltage rating: 250VAC_{RMS} max.
- Eyelet material: brass with nickel plating
- Insulation: molded mono block, general purpose phenolic, black, UL94V-1
- Screw material: steel w/ nickel over copper flash plating
- Solder terminal material: brass w/ electro-tin plating



231378

140 Series 15A

- 3750-watts/terminal max.
- 16 AWG wire max. • Size: 0.88"W x 0.41"H
- Screw: 5-40 x 3/16" • Density: 0.375"

QUANTITY SAVE

Part No.	Prod. No.	Pos.	Length	1	10	100
230973	2-140	2	1.41"	\$1.11	\$0.85	\$0.74
230981	3-140	3	1.78"	1.33	1.13	.85
230990	4-140	4	2.16"	1.59	1.23	1.05
231010	6-140	6	2.91"	1.99	1.79	1.48
231028	7-140	7	3.28"	2.19	1.86	1.40
231036	8-140	8	3.66"	2.89	2.19	1.92
231052	10-140	10	4.41"	3.55	2.80	2.53
231061	12-140	12	5.16"	4.19	3.29	2.97
1775983	14-140	14	5.91"	5.09	4.56	4.03

141 Series 20A

- 5000-watts/terminal max.
- 14 AWG wire max. • Size: 1.13"W x 0.5"H
- Screw: 6-32 x 1/4" • Density: 0.438"

Part No.	Prod. No.	Pos.	Length	1	10	100
231378	4-141	4	2.50"	\$1.79	\$1.59	\$1.19
231394	6-141	6	3.38"	2.35	2.00	1.50
231415	8-141	8	4.25"	2.89	2.34	2.27
231431	10-141	10	5.13"	3.35	2.70	2.62
231440	12-141	12	6.00"	3.95	3.53	3.18

142 Series 30A

- 7500-watts/terminal max.
- 10 AWG wire max. • Size: 1.312"W x 0.625"H
- Screw: 8-32 x 5/16" • Density: 0.563"

Part No.	Prod. No.	Pos.	Length	1	10	100
440891	8-142	8	5.468"	\$5.55	\$5.32	\$4.73

Double Row, Y-terminal

Part No.	Prod. No.	Pos.	Length	1	10	100
1775991	5-142-Y	5	3.781"	\$3.99	\$3.59	\$2.86

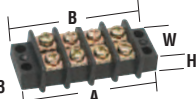
JAMECO ValuePro Metric Double Row Terminal Blocks

- Body: black thermoplastic (UL94V-0)
- Terminals: brass tin plated • 12-18 AWG
- Screws: steel nickel plated
- Insulation withstanding voltage: 2000VAC min.
- Insulation resistance: 1000MΩ or more at 500VDC



10A @ 600V

- Screw size: M3.0
- Width (W): 19.5mm
- Height (H): 11.9mm



208873

Part Number	Cross Ref. No.	Poles	Dimensions A" B"	1	10	50
208873	GGE-10-8P	8	95 102.5	\$1.69	\$1.59	\$1.49

20A @ 600V

- Screw size: M3.5
- Width (W): 22.0mm
- Height (H): 13.2mm



207572

Part Number	Cross Ref. No.	Poles	Dimensions A" B"	1	10	50
207547	GGE-20-6P	6	76.3 85.3	\$1.99	\$1.79	\$1.59
207563	GGE-20-10P	10	119.9 128.9	3.29	2.80	2.10
207572	GGE-20-12P	12	141.7 150.7	3.59	3.19	2.79

◆ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.



Terminal Blocks and Header

- For detailed specifications, please see our website at www.Jameco.com
- 164814: Male header (.197") for use with 164794 and 164806

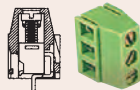


Fig. 1 (99398)

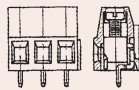


Fig. 2 (160785)

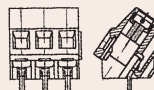


Fig. 3 (161067)



Fig. 4 (189676)



Fig. 5 (164794)

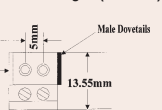


Fig. 6 (164806)



Fig. 7 (249084)

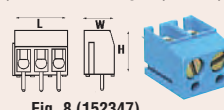


Fig. 8 (152347)

Fig. 9 (164814) use w/ Fig. 5 & 6

Part No.	Mfg.	Product No.	Fig.	Term.	Terminal Spacing	1	10	100	1000
99427	Dinkle	DT128/2	1	2	0.197"/5mm	\$.80	\$.61	\$.49	\$.44
99398	Dinkle	DT128V3P	1	3	0.197"/5mm	.99	.89	.79	.59
160785	Dinkle	EK500V-02P	2	2	0.197"/5mm	.65	.55	.45	.39
160793	Dinkle	EK500V-03P	2	3	0.197"/5mm	.99	.91	.80	.74
161067	Dinkle	EK500A-02P	3	2	0.197"/5mm	.85	.74	.55	.44
161059	Dinkle	EK500A-03P	3	3	0.197"/5mm	1.14	1.02	.87	.82
189676	OST	EDC500/2DS	4	2	0.197"/5mm	.79	.71	.64	.58
189668	OST	EDC500/3DS	4	3	0.197"/5mm	.89	.80	.72	.61
164794	OST	EDC130/2DS	5	2	0.197"/5mm	.59	.53	.47	.42
164806	OST	EDC130/3DS	6	3	0.197"/5mm	.99	.90	.81	.61
249084	OST	ED2750/3	7	3	0.200"/5.08mm	2.29	2.05	1.82	1.72
152347	OST	EDC120/2DS	8	2	0.200"/5.08mm	.65	.55	.45	.39
152355	OST	EDC120/3DS	8	3	0.200"/5.08mm	.47	.44	.39	.31
164814	OST	EDSTL130/24	9	24	0.197"/5mm	2.65	2.37	2.16	1.64
1945170	Various	WD301-2P	—	2	0.197"/5mm	.39	.29	.22	.19
1945209	Various	WD301-3P	—	3	0.197"/5mm	.41	.35	.25	.23

CINCH Terminal Block Jumpers

For connecting between adjacent terminals or alternate terminals.

- 2-position
- Brass with nickel plating

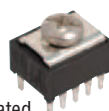


Part No.	Product No.	1	25	50
448500	141J (141 series)	\$.31	\$.284	\$.255
448518	95B (142 series)	1.00	.89	.82

AMP Power Tap

Standard Power Tab

- Screw: steel plated
- Resistance: 2mΩ max.
- Connector body & lid: nylon 94V-0 rated
- Contact: copper alloy, bright tin-lead



Part No.	Product No.	Description	1	10
852730	55556-4	6-32 screw hole	\$4.65	\$3.95

www.Jameco.com

Our enhanced website offers thousands of additional products. Find products quickly and order them easily.



Solderless Terminal Crimping Tool

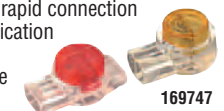
- Size: 9.0"L x 2.0"W
- Crimps solderless terminals: 18-22 AWG red, 14-16 AWG blue and 10-12 AWG yellow



Part No.	Product No.	1	10	25
72996	HT303	\$22.19	\$18.85	\$14.13

Telecom Splice Connectors

- Provides clean, solid and rapid connection of wires to keep communication lines free of noise
- Available to handle a wide range of conductor sizes



- 169755: Y-type
- Prepackaged: please order in increments of 10

Part No.	Color	Wire Gauge	No. of Conductors	10	100	1000
169747	Yellow	22-26	2	\$.166	\$.15	\$.135
169755	Red	19-26	3Y	.16	.15	.14

Wire Connectors

- Material: UL approved nylon 66, 94V2
- Quick and secure method to splice control wires
- Twist on type • Strip wire before application
- 182449: nylon 66, 94-2 UL/CSA approved
- 140717: PE - metal inside
- Prepackaged: please order in increments of 10



Part No.	Description	10	100	1000
182449	Crimp 16-14 AWG	\$.075	\$.069	\$.051
140717	Wire IDC 22-18 AWG	.135	.135	.101

* Requires crimping tool (P/N 72996, above)

Additional Solderless Terminals are available online at www.Jameco.com/Interconnect

AMP Closed End Splices & Wire Caps

- Insulated
- Copper/tin
- Minimum order 5 pieces



Part No.	Product No.	AWG	Description	Color	Crimp Area	5	100
847463	35653	22-10	Splice, non-insulation support (300V, 105°C)	Transparent	7.52mm Dia. max.	\$.127	\$.114
843358	328730	22-10	Splice, non-insulation support (600V, 105°C)	Transparent	6.86mm Dia. max.	.194	.171
843286	328307	22-18	Wire cap	Red	—	.224	.206

171-Pc. Solderless Terminal Kit

170 Terminals and Connectors!



- Clear, hinged plastic box
- Use crimping tool P/N 72996, pg 86

Part No.	Description	1	10	25
10990	Solderless Terminal Kit	\$8.95	\$7.95	\$7.25

molex Fully Insulated Coupler

This fully insulated nylon coupler is precision engineered, allowing the female terminal to fit precisely into the corresponding male housing, which provides a fully insulated inline splice. This splice may be connected and disconnected without damage to the nylon insulation.

- Tab size: 0.250" x 0.032"
- Female

Minimum order 10 pieces

Part No.	Product No.	AWG/Color	10	100	500
489766	19005-0005-C	14-16/Blue	\$.126	\$.111	\$.091

AMP Fast-On Insulated Terminals

- One-piece fully insulated fast-on receptacle/tab with insulation crimp prevents shock and short hazards
- Designed for full mating with a variety of tabs and receptacles including those with shoulders
- Funnel wire entry and wire stop
- Brass, tin-plated



Tape and Reel Ultra-Fast Fully Insulated Receptacle (0.187")

Part No.	Product No.	Width	AWG	Color	Mating Tab Size	Pricing
836975	2-520193-2	0.300"	22-18	Red	.032" x .187"	★ Call/Web
837071	2-520401-2	0.300"	22-18	Red	.020" x .187"	★ Call/Web
837089	2-520403-2	0.300"	22-18	Red	.032" x .187"	★ Call/Web

★ Non-insulation support ** Insulation support ★ Please call or visit our website for minimum order quantity and pricing

AMP Plastic-Grip Ring Tongue Terminals

Designed specifically to answer the need for inexpensive insulated electrical terminations. The wire and the terminal barrel form a homogeneous mass of metal, providing a connection of maximum conductivity, tensile strength and high resistance to corrosion.



Minimum order 5 pieces

Part No.	Product No.	Stud Size	AWG	Color	5	50
844852	34149	#10	22-16	Red	\$.155	\$.146
845177	34853	#8	12-10	Yellow	.281	.211

Tape and Reel

836473	2-34149-1	#10	22-16	Red	★ Call/Web
836570	2-34854-1	#10	12-10	Yellow	★ Call/Web

★ Please call or visit our website for minimum order quantity and pricing

★ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

AMP

P.I.D.G. (Pre-Insulated Diamond Grip) Nylon Insulated Terminals

- Temperature rating: 105°C
- Funnel ramp entry
- Meets MIL-T-7928



Ring Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302666	36152	1	#6	22-16	Red	\$.24	\$.174	\$.16
302674	31890	1	#8	22-16	Red	.21	.159	.141
302738	320565	1	#8	16-14	Blue	.20	.158	.119
302818	35110	1	1/4"	12-10	Yellow	.40	.39	.26

Tape and Reel Ring Tongue Terminal

836781	2-36154-2	1	#10	22-16	Red	★	Call/Web
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★ Please call or visit our website for minimum order quantity and pricing

Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302851	328394	2	#2	22-16	Red	\$.204	\$.192	\$.176
302869	327717	2	#4	22-16	Red	.24	.224	.208
302877	34541	2	#6	22-16	Red	.24	.173	.158
302885	32053	2	#8	22-16	Red	.29	.257	.232
302906	35559	2	#6	16-14	Blue	.26	.25	.194
302914	32059	2	#8	16-14	Blue	.281	.267	.206

Flanged Spade Tongue Terminal

303010	320862	3	#8	16-14	Blue	\$.21	\$.175	\$.166
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Butt & Knife Disconnect Splices

303175	320559	4	Butt	22-16	Red	\$.45	\$.43	\$.41
303183	320562	5	Butt	16-14	Blue	.45	.43	.41

Fast-On Receptacles

Part No.	Product No.	Fig.	Size (in.)	Wire (AWG)	Color	1	10	100
303255	640917-1	5	.187 x .020	22-18	Red	\$.22	\$.178	\$.173
303280	640903-1	5	.250 x .032	22-18	Red	.22	.16	.13
303327	640905-1	5	.250 x .032	16-14	Blue	.23	.183	.181
303343	640907-1	5	.250 x .032	12-10	Yellow	.29	.248	.186

Tape and Reel Fast-On Receptacles

855922	640907-2	5	.250 x .032	12-10	Yellow	★	Call/Web
855957	640917-2	5	.187 x .020	22-18	Red	★	Call/Web

★ Please call or visit our website for minimum order quantity and pricing

Vinyl Insulated Solderless Terminals

- Insulation thickness: .030"
- Funnel ramp entry
- Temperature to 105°C
- Use with crimping tool P/N 72996, pg 86
- Sold in increments of 10



Ring & Spade Solderless Terminals

Part No.	Description	Stud Size	Wire (AWG)	Color	10	100	1000
103684	Ring solderless	#6	22-16	Red	\$.11	\$.093	\$.07
103588	Spade solderless	#6	22-16	Red	.119	.084	.07
103596	Spade solderless	#8	16-14	Blue	.132	.075	.066

Disconnect Solderless Terminals

Part No.	Description	Blade Size	Wire (AWG)	Color	10	100	1000
106922	Female	.187"	22-16	Red	\$.12	\$.102	\$.077
103668	Female	.25"	22-16	Red	.12	.08	.06
109112	Female w/ hood	.25"	22-16	Red	.204	.132	.066

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com

Solderless Terminals, Jacks & Plugs

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
JAMECO HOUSE BRANDS
FACTORY OVERRUN

Additional Power Plugs and Jacks are available online at www.Jameco.com/Interconnect

molex

Insulkrimp® Solderless Terminal

Female Quick Disconnect

- Translucent insulator provides fast, on-line quality control inspection of the wire/terminal assembly
- Terminal's funnel entrance is designed for increased crimping rates by speeding wire delivery into the crimp section and eliminating wire strand fold back
- A wire stop stamped into the crimp barrel prevents insertion of over-stripped wires
- Material: brass • PVC insulation

Part No.	Product No.	AWG/Color	Tab size	Minimum order 100 pieces
489643	19003-0017-C	18-22/Red	0.187" x 0.032"	\$.137 \$.127 \$.118

AMP

Solistrand Uninsulated Terminals

Designed to terminate solid and stranded wire, irregular shaped conductors, and combinations of these – still retaining the superior performance and characteristics of single purpose terminals and splices. Corrosion resistant, vibration resistant and tensile strength of these terminals and splices are well within the limits of commercial military applications.

Ring Tongue Terminals

* Minimum order 5 pieces

Part No.	Product No.	Stud Size	Wire (AWG)	1	5	100
844289	34107	#6	22-16	* \$.146	* \$.141	
844318	34108	#8	22-16	* \$.129	* \$.099	
842558	321600	3/8"	2	\$ 1.09	\$ 1.05	\$.99

KEYSTONE

Terminals

PC Quick-Fit, Male

- Material: brass, tin plated

Part No.	Product No.	Description	Thick	10	50
1581708	1266	.250" right angle solder	0.32"	\$.11	\$.10
1581732	1287	.250" straight solder	0.32"	\$.038	\$.036

Screw Terminal

- Material: brass, tin plated
- Accepts: 14-20 AWG wire
- Screw: 6 -32 x .250", brass, nickel plated
- Rated 15A

Part No.	Product No.	Description	Thick	1	10	100
1582241	7690	Snap-in, horizontal, unassembled	0.32"	\$.38	\$.356	\$.228

Why Are You Buying This?

Engineers are said to be linear thinkers, not good with interrupts. So they say ...

So if you're on this page, you may be thinking about buying power plugs. A lot of our customers have bought them for use in wall adapters and table-top power supplies.

NMI: Why would you consider buying wall adapters in volume, then buying power plugs in volume, then spending the time and money having them assembled together (in volume)?

Not only will Jameco provide you with the guaranteed lowest prices, they'll also assemble the wall adapters and plugs to your specifications at no extra charge! That's right, it's free. And if you want a more professional look, just ask to have your company logo added to the wall adapter. Call 1-800-831-4242 for more details.

Now you can RTI.

Practical Practices
Money Saving Tips for the Engineer

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product ♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Male & Female Power Jacks

- Use with mating power plugs, below
- Dimensions do not include barrel

Terminals	Code
Solder eyelet	A
PC board	B
Mounting	Code
Panel	C
PCB	D
Panel & PCB	E
Cable	F

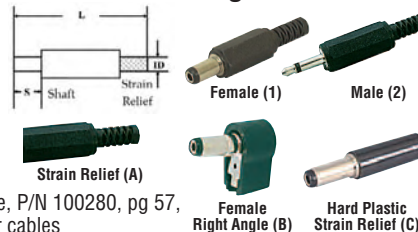


Part Number	Cross Ref. No.	Dimensions H x W x D (mm)	Type/Circuit/ Mount	Mating Plug (below)	Pricing
					1 10 100 1000
1.3 mm Male Jack					
101194	PP024	6.0 x 6.0 x 9.0	6/D	1/B	1.3 mm F \$.62 \$.48 \$.44 \$.36
2.1 mm Male Jacks					
101178	PP014	10.9 x 9.0 x 14.5	1/D	1/A	2.1 mm F \$.55 \$.467 \$.414 \$.372
137673	PP013	10.9 x 9.0 x 14.5	3/D	3/A	2.1 mm F .40 .36 .288 .216
151590	DPJ-021A	13.0 x 12.6 Dia.	5/C	1/A	2.1 mm F 1.19 .99 .79 .69
151555	DPJ-026	15.1 x 8.0 Dia.	4/E	1/A	2.1 mm F 1.59 1.29 1.09 .89
159611	PJ1014A	35.8 x 12.6 Dia.	8/F	3/A	2.1 mm F 1.79 1.50 1.31 1.07
2.5 mm Male Jacks					
207714	HEC0470	11.0 x 9.0 x 14.5	1/D	1/B	2.5 mm F \$.69 \$.54 \$.43 \$.32
101186	PP014A	11.0 x 9.0 x 14.5	1/D	1/A	2.5 mm F .78 .67 .515 .386
151563	DPJ-026A	15.1 x 8.0 Dia.	4/E	1/A	2.5 mm F 1.49 1.24 1.13 .99
159506	PJ1015A	35.8 x 12.6 Dia.	8/F	3/A	2.5 mm F 1.69 1.50 1.36 1.22
202358	HD2388	17.0 x 12.0 Dia.	5/C	3/A	2.5 mm F 1.09 .98 .88 .79
3.5 mm Female Jacks					
109496	PJ035PM	10.5 x 9.0 x 8.8	2/C	2/A	3.5 mm M \$.53 \$.472 \$.425 \$.378
165730	PJ0354	8.9 x 5.7 Dia.	7/C	3/A	3.5 mm M .79 .67 .56 .45

JAMECO ValuePro

Male & Female Power Plugs

- Use with mating power jacks found in table, above
- Solder eyelets 1mm diameter
- Threaded screw-on housing (strain relief)
- Use with AC/DC wall adapters, pgs 130-133
- Shield crimp tabs
- Use 24 AWG 2 conductor wire, P/N 100280, pg 57, to make custom length power cables



Part Number	Cross Ref. No.	Description Plug ID x OD (mm)	Dimensions (mm) S x L x ID (strain relief)	Type	Pricing
					1 10 100 1000
Female Plugs					
71192	PP137	1.3 x 3.5	9.6 x 43.9 x 4.8 (blk)	1/A	\$.95 \$.86 \$.78 \$.71
191484	PP049W	2.1 x 5.5	9.6 x 43.9 x 4.5 (wht)	1/A	.69 .62 .56 .50
28760	PP049	2.1 x 5.5 (P205)	8.5 x 41.4 x 4.6 (blk)	1/A	.79 .69 .55 .49
147329	PP049L	2.1 x 5.5 (P205L)	14.0 x 46.4 x 4.6 (blk)	1/A	1.09 .98 .76 .57
138587	PJ021R	2.1 x 5.5 rt. angle	12.0 x 22.5 x 3.9 (blk)	1/B	.89 .75 .65 .59
190538	PP109S	2.5 x 5.5 (P206S)	9.0 x 43.5 x 4.8 (blk)	1/A	.39 .32 .29 .248
28767	PP109	2.5 x 5.5 (P206)	10.1 x 45.4 x 4.3 (blk)	1/A	.65 .55 .45 .35
147336	PP109L	2.5 x 5.5 (P206L)	13.6 x 47.5 x 4.8 (blk)	1/A	.90 .82 .65 .492
168242	PP109N	2.5 x 5.5	13.7 x 36.5 x 3.9 (blk)	1/C	.65 .536 .471 .383
Male Plugs					
101135	PJ1025	2.5 (P201)	11.1 x 49.0 x 4.3 (blk)	2/A	\$.71 \$.64 \$.468 \$.348
101152	PJ1035	3.5 (P202)	13.8 x 51.8 x 4.2 (blk)	2/A	.61 .47 .384 .32

Automobile Power Plug & Cord Assembly

- Screw assembly with strain relief
- Accepts .25" x 1.25" fuse

Part No.	Description	1	10	100
115002	W/ 5A/250VAC fuse	\$ 2.35	\$ 2.00	\$ 1.50
124760	W/ 3A/250VAC fuse & 3' cord (pigtail end)	\$ 2.19	\$ 1.86	\$ 1.40

Additional Motors are available on line at www.Jameco.com/Electromechanical

3VDC – 24VDC Motors

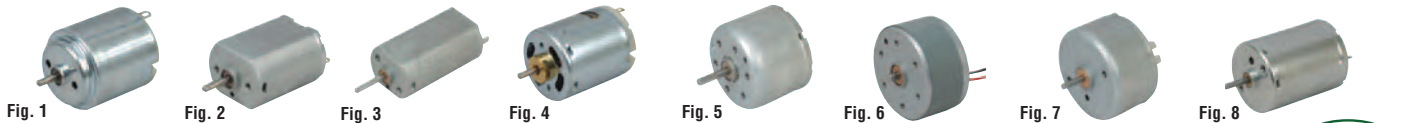


Part No.	Product No.	Manufacturer	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency			Efficiency	Terminal Type	Shaft Dia. (in.)	Shaft Length (in.)	Size (in.) (Dia. x Depth)	Pricing		
						Current (Amps)	Speed (RPM)	Torque (g-cm)						1	10	100
1939589	FF-130RH-15210	Mabuchi Motor	1	3	1-4	0.17	4280	5.8	—	.08"/solder	0.08	.24/.21	0.79 x 0.98	\$1.09	\$.99	\$.75
154923	ST-130-22770	Star Motor	2	3	1.5-3	1.150	12500	10.3	40	0.09"/solder	0.08	0.37	0.79 x 1.13	1.19	1.07	.80
211246	RC-260RA-2670	Mabuchi Motor	3	4.5	3-4.5	1.430	15290	21.8	53	0.11"/solder	0.08	0.28	0.93 x 1.06	1.05	.94	.90
177498	RC280RA-2485	Mabuchi Motor	4	7.2	3-14	1.180	14260	33.3	57	0.11"/solder	0.08	0.43	0.95 x 1.20	2.05	1.83	1.65
174693	21226-384221	Johnson Electric	5	12	9-14	0.015	3000	85.06	—	0.11"/solder	0.08	0.69	0.97 x 1.19	2.49	2.15	1.59
206949	QJT360S14280	Nichibo	6	12	9-30	0.350	4930	44.5	52	0.11"/solder	0.09	0.45	1.09 x 1.30	2.15	1.83	1.37
667411	RF270RH-12370	Mabuchi Motor	7	12	6-15	0.140	5130	19.2	—	0.08"/quick conn.	0.08	0.59	0.96 x 1.21	1.19	.99	.75
1586031	FK-260SA	Mabuchi Motor	1	12	12-24	0.027	5800	14.8	—	0.08"/solder	0.08	0.42	0.96 x 1.06	1.59	1.39	1.25
1810099	FK-260SA (14280)	Mabuchi Motor	1	12	—	0.063	8600	—	—	0.08"/solder	0.08	0.43	0.96 x 1.06	1.95	1.75	1.49
1586058	FK130RH-10450	Mabuchi Motor	8	12	6-18	0.036	9750	8.9	—	0.08"/solder	0.08	0.31	0.80 x 0.99	2.49	2.25	1.95
1586023	RK370C	Mabuchi Motor	5	24	12-30	0.15	3850	19.3	—	0.08"/solder	0.08	0.67	0.96 x 1.21	2.49	2.25	1.95
1586040	RS365PH-11240	Mabuchi Motor	9	24	9-28	0.070	10700	411	—	0.011"/solder	0.09	0.49	1.08 x 1.28	2.49	2.25	1.95

JAMECO ReliaPro

Applications: • RC cars and airplanes • Arcade games • Vending machines • Office automation products • Tire pumps • Christmas trees
 • Motorized toys • Vacuum cleaners • Hair removers • Blow dryers • Paper shredders • Cordless power tools

JAMECO EXCLUSIVE



Part No.	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency			Efficiency	Terminal Type	Shaft Dia. (")	Shaft Length (")	Body Size (in) Dia. x Depth	Pricing		
					Current (Amps)	Speed (RPM)	Torque (g-cm)						1	10	100
232135	FF-050S-13130	3	2	2-4	0.11	3000	3	42.0	Solder	0.059	0.433	0.610 x 1.059	\$1.95	\$1.75	\$1.65
231909	FE-260-18130	1	3	1.5-4.5	0.36	4780	10.3	49.6	Solder	0.078	0.314	0.937 x 1.063	1.19	1.01	.76
232144	FF-050S-11170	3	7	1.5-9	0.17	8500	7	51.3	Solder	0.059	0.433	0.610 x 1.059	3.05	2.58	1.94
232012	MD5-12160	4	12	12-24	0.30	4000	34.3	39.1	Solder	0.091	0.622	1.082 x 1.279	1.95	1.75	1.65
231731	PC-130SF-09480	2	12	6-24	0.11	4800	12.3	49.6	Solder	0.078	0.377	0.803 x 0.984	2.09	1.78	1.33
231896	FE-260-08450	1	12	6-12	0.11	5560	10.3	46.6	Solder	0.078	0.314	0.937 x 1.063	1.19	1.01	.85
232022	MD5-1885	4	12	6-18	0.74	9820	53.5	60.7	Solder	0.091	0.622	1.082 x 1.279	2.35	2.00	1.50
232047	MD5-2445	4	12	6-12	2.05	19850	79.7	66.0	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43

Mabuchi-Type

238465	RF-310TA-11400 (CCW)	5	2.5	1-6	0.06	2190	3.3	—	Solder	0.078	0.700	0.962 x 0.712	\$2.99	\$2.55	\$1.91
238458	RF-300PA-11400 (CW)	6	3	1-3	0.07	2400	4.3	56.4	Wires	0.078	0.200	0.960 x 0.504	4.35	3.70	2.77
238473	RF-370CA-15370	8	12	3-12	0.17	4840	187	—	Solder	0.078	0.346	0.960 x 1.213	5.55	4.72	3.54

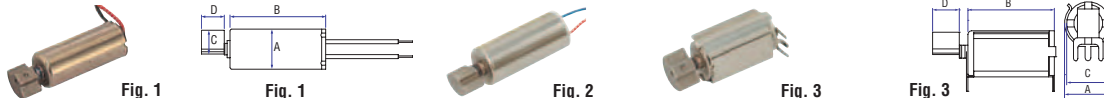
Great Prices on Factory Overruns from Other Manufacturers

238511	RF-500TB-12560	7	6	1.5-12	0.08	2180	11.6	50.6	Solder	0.078	0.385	1.259 x 0.767	\$3.49	\$2.95	\$2.75
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JAMECO ReliaPro

1.3VDC & 3VDC Vibrating Motors

• Typical applications: cellular phones, pagers and toys



Part No.	Cross Ref. No.	Fig.	Operating Voltage (VDC @ mA)	Operating Range (VDC)	Rated RPM @ VDC	Lead Length (in.)	Motor Size (A x B) Dia. " x Depth"	Shaft Size (C x D) Dia. " x Length"	Pricing		
									1	10	100
175062	OTL-7AL	1	1.3 @ 62	0.70 - 1.60	7000 @ 1.3	0.7	0.28 x 0.67	0.10 x 0.18	\$5.49	\$4.94	\$3.67
256306	62K003	2	1.3 @ 80	0.85 - 1.60	8500 @ 1.3	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.99	2.24
256365	72K692	2	3.0 @ 60	2.40 - 3.00	6500 @ 3.0	4.7	0.28 x 0.66	0.18 x 0.22	4.65	3.95	2.96
256382	72K681	2	3.0 @ 60	2.40 - 3.60	7500 @ 3.0	1.1	0.28 x 0.66	0.12 x 0.16	4.65	3.95	2.96
256314	62K053	2	3.0 @ 75	1.60 - 3.60	8500 @ 3.0	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.80	2.10
256331	62K261	3	3.0 @ 75	2.40 - 3.00	8500 @ 3.0	PC term.	0.27 x 0.48	0.11 x 0.11	3.29	2.99	2.69
256090	42K091	2	3.0 @ 80	2.40 - 3.60	11000 @ 3.0	1.0	0.16 x 0.43	0.07 x 0.17	5.95	5.35	4.85

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

DC Reversible Gear Head Motors & Motor Controllers

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	GENERIC & NON-FRANCHISED	JAMECO HOUSE BRANDS	FACTORY OVERRUN

Additional Motors are available on line at www.Jameco.com/Electromechanical

JAMECO ReliaPro

12VDC & 24VDC Reversible Gear Head Motors

- Solder-type terminal
- High torque construction
- Dielectric strength: 300VDC
- Insulation resistance: 10MΩ
- Oil bearing design for long service life

GH30GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
170642	GH12-1828Y-10	12	6.0 - 24	105	8	3500	332:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	\$27.35	\$23.25	\$17.44
153438	GH12-1045Y	12	3.0 - 12	90	7	800	200:1	0.9 x 1.0	1.1 x 0.6	0.16 x 0.70	18.95	17.09	15.35
159418	GH12-1921Y	12	4.5 - 12	200	35	2000	132:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	26.19	23.57	21.21
162191	GH12-1324Y225	12	4.5 - 12	145	176	300	30:1	1.0 x 0.9	1.1 x 0.6	0.16 x 0.70	17.79	16.01	14.44

GH35GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
155012	GH12-1926	12	4.5 - 12	250	2	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	\$21.95	\$19.79	\$17.79
155821	GH12-1830Y-P	12	4.5 - 12	220	4.5	4500	1000:1	1.3 x 0.9	1.5 x 1.0	.23 x .90	22.89	20.63	18.54
155839	GH12-1641T-L	12	3.0 - 12	250	20	3000	270:1	1.3 x 0.9	1.5 x 0.8	.23 x .90	25.35	22.85	20.59
152911	GH12-1926Y	12	4.5 - 12	172	35	2370	100:1	1.3 x 1.0	1.5 x 0.7	.24 x .90	23.89	21.50	19.32
151441	GH12-1632TI	12	4.5 - 12	275	57	2200	100:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	21.95	18.55	16.69
155854	GH12-1641T-F	12	3.0 - 12	250	71	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	23.49	21.29	19.29
155863	GH12-1926Y-F	12	4.5 - 12	300	70	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	23.99	20.39	15.29
161374	GH12-1345T	12	4.5 - 12	185	116	650	30:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	23.95	21.59	19.45
161382	GH12-1634T	12	4.5 - 12	293	145	850	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	21.95	19.79	17.79
164786	GH12-1640Y	12	4.5 - 24	120	220	180	10:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	31.79	27.01	20.26
176050	GH12-1640Y00	24	12 - 24	340	1.8	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	21.95	18.66	17.17
176032	GH24-1640Y06	24	12 - 24	340	50	2000	90:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	23.75	20.19	15.14
176023	GH24-1640Y19	24	12 - 24	340	148	1000	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	28.45	25.56	23.00

HN27GD Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
167039	GH12-0953Y	12	4.5 - 24	90	9	1200	188:1	1.0 x 0.9	1.1 x 1.0	0.16 x 0.60	\$19.05	\$17.10	\$15.39
167047	GH12-1828Y	12	4.5 - 24	195	31	1300	90:1	1.1 x 1.3	1.1 x 0.8	0.16 x 0.60	24.79	22.31	20.08

38GM Series

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Rated Voltage (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
			Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
253534	38-010	12	97	24	7500	250:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	\$21.85	\$19.71	\$17.70
253500	38-007	12	82	60	3200	100:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.79	18.52	17.59
253497	38-006	12	80	66	2100	90:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	20.39	18.39	16.52
253490	38-005	12	76	110	1300	56:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.85	19.71	17.70
253472	38-004	12	74	120	1100	50:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.89	19.75	17.75
253455	38-002	12	65	200	700	30:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.85	19.71	17.70
253446	38-001	12	61.8	600	350	10:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.85	19.71	17.69

120VAC Gear Motor

6.0 RPM - 2.9 Watt

- Torque: >3.6 kg-cm
- Connector: 12" wires
- Shaft diameter: 0.27"
- Shaft length: 0.65"
- Operating voltage: 120VAC @ 60Hz
- Screw down tabs for mounting (2.3" diagonal mounting hole space)
- Typical applications: air conditioner turnleaf motor, microwave turnplate motor
- Size: 2.0" Dia. x 1.0" Thick



Part No.	Cross Ref. No.	1	10	100
213488	50TYZ	\$19.75	\$16.79	\$12.59

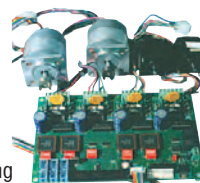
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Multi-Stepper Motor Control Board

- Simultaneous/independent control of up to 16 stepper motors through a single serial port
- 11 analog channels, A/D converter, 12-bit resolution
- 24-bit position register; can be read while motor is moving
- Linear acceleration/deceleration capability up to 8500 step/sec.
- High-speed serial communication interface 9.6kbps-230.4kbps
- Full step (monophasic and biphasic), half step and external driver modes
- Current-mode coil driver up to 2A/45V
- 26 digital I/O and two SPI interfaces for control of external devices
- Size: 7.7"L x 5.0"W x 1.0"H



Shown w/ motors - not included

Part No.	Description	1	10
168729	Stepper motor control brd	\$399.95	\$379.95



RMV856-ET Stepped Motor Controller

- CMOS, +5V device combines high performance with low cost
- 8 Digital I/Os can be addressed individually by one command
- Internal step register counts up to 16 million steps per motion
- Capable of generating step rates from 16 steps/sec to 8500 steps/sec using pulse and direction signals
- External programmable events: trigger waits, loops, program branches and stepping motions
- Supports programmable start rate, accel/decel, slew rate and absolute or relative control position
- Programmable stall detection feature controls positioning error
- Internal or external direction control and separate limit switch for interfacing analog to digital or digital to analog converter



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Part No.	Package	1	10	50
355186	DIP-40	\$48.45	\$44.05	\$40.00

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Motors are available online at www.Jameco.com/Electromechanical

KAE

Industrial Motion Controllers for Brush, Brushless & Stepper Motors

323942: PIC-SERVO motor control board

- For brush-type DC motors with 2 or 3 channel incremental encoders
- P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
- Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
- Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps

323951: PIC-SERVO 3PH motor control board for brush or brushless motors

- For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
- High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
- Support for linear & circular interpolation using the PIC-SERVO CMC chipset
- P/N 323951 Amplifier capable of driving 6A continuously @ up to 48VDC

184997: PIC-STEP motor control board

- Integrated indexer and driver for 2 or 4 phase stepper motors
- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
- Trapezoidal position profiling, velocity mode, up to 50,000 steps per second



323942



323951



184997

Part No.	Description	Size	1	10
323942	KAE-TOVIO	3.1"L x 2.1"W x 0.9"H	\$169.55	\$152.59
323951	KAE-TOVIO	3.1"L x 3.1"W x 0.9"H	239.95	199.95
184997	PIC-STEP	3.1"L x 2.1"W x 0.9"H	159.95	143.95

High-Efficiency Robotic Servo

Excellent power-to-weight ratio for robotic projects.

- Supply voltage: 4.8-6 volts
- Speed: 16 seconds to 60°
- Size: 0.8"W x 1.4"D x 1.6"H
- Torque: 49 oz.-in. (3500 g-cm) @ 4.8V
- Can be operated by P/N 151001, on web



Part No.	Description	1	10
157067	Robotic servo	\$21.95	\$19.95

12VDC Solenoid Valve

- Operating voltage: 12VDC
- Dimensions: 1.2"L x 0.92" Dia.
- 0.250" quick disconnect terminals
- Operational temp.: -29°C to 85°C
- Air leakage: 1c.c./min. max. 4psi
- Current: 350mA



Part No.	Description	1	10	100
169835	Solenoid valve	\$8.05	\$7.25	\$6.48

12VDC Power Solenoid

- 12VDC • 4Ω coil
- Handles a 225A load
- Intermittent 50% duty cycle
- 1/4-20 copper studs
- Contractors power solenoid
- 2.25" mounting centers • Size: 1.86" x 3" base



Part No.	Product No.	1	10	100
1585645	93285	\$5.95	\$5.35	\$4.79

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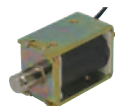
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1919414



262263



262272



262167



142464



1919465

Part No.	Cross Reference No.	Type	Voltage (VDC)	Coil Res. (±10%) (Ohms)	Power Consump. (W)	Holding Force (lbs. @ 20°C)	Stroke (ins.)	Size L x Dia. (ins.)†	Shaft Dia. (ins.)	Wt. (lbs.)	Pricing		
											1	10	100
1919351	SMO-0415S12STD	Open frame-push	12	180	0.8	0.026	0.2	0.6 x 0.4 x 0.3	0.157	0.02	\$17.65	\$13.81	\$10.63
1919377	SMO-0415L12STD	Open frame-push	12	120	1.2	0.04	0.1	0.8 x 0.5 x 0.4	0.157	0.02	17.65	13.81	10.63
1919385	SMO-0420S12STD	Open frame-push	12	120	1.2	0.04	0.1	0.8 x 0.5 x 0.4	0.06	0.02	17.65	13.81	10.63
1919406	SMO-0630S12STD	Open frame-push	12	60	2.4	0.187	0.1	1.2 x 0.8 x 0.6	0.06	0.1	18.95	15.09	11.60
1919393	SMO-0420L12STD	Open frame-pull	12	120	1.2	0.04	0.1	0.8 x 0.5 x 0.4	0.07	0.02	17.65	13.81	10.63
262247	SMO-0520L12STD	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.200	0.04	11.49	9.77	7.33
1919414	SMO-0630L12STD	Open frame-pull	12	60	2.4	0.187	0.1	1.2 x 0.8 x 0.6	0.06	0.1	18.95	15.09	11.60
262263	SMO-0837L12STD	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.310	0.21	9.95	8.46	6.35
262272	SMO-0837S12STD	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.08/0.31*	0.21	10.09	9.11	8.22
262167	SMT-1325L12STD	Tubular-pull	12	36	4.0	0.11	0.47	1.0 x 0.5	0.200	0.05	13.75	11.69	8.77
142464	SMT-1130L12A	Tubular-pull	12	36	4.0	0.63	0.40	1.6 x 0.4	0.150	0.04	7.99	7.59	7.20
1919422	SMT-1632L12STD	Tubular-pull	12	26.6	5.5	0.88	0.06	1.6 x 0.6	0.196	0.1	22.69	19.13	14.88
1919449	SMT-1939L12STD	Tubular-pull	12	20.6	7.0	1.3	0.07	1.6 x 0.8	0.09	0.18	24.39	20.83	16.32
1919465	SMT-2551L12STD	Tubular-pull	12	14.4	10.0	1.5	0.18	2.0 x 1.0	0.118	0.4	24.39	20.83	16.32
1919481	SMT-3257L12STD	Tubular-pull	12	11.07	13.0	3.7	0.18	2.3 x 1.3	0.157	0.65	29.45	26.35	22.10
262203	SMT-3864L24STD	Tubular-pull	24	34	17.0	1.32	1.18	2.5 x 1.5	0.620	1.10	29.95	25.45	20.99
215141	SMT-2251L24AA	Tubular-pull	24	60	10.0	4.00	1.00	3.0 x 1.0	0.440	0.40	12.59	11.53	10.91
149754	SMT-1325S12A	Tubular-push	12	36	4.0	0.75	0.47	1.9 x 0.5	0.063	0.05	17.99	14.87	11.15
1919431	SMT-1939S12STD	Tubular-push	12	20.6	7.0	1.3	0.07	1.6 x 0.8	0.09	0.18	24.39	20.83	16.32
149762	SMT-1632S12A	Tubular-push	12	21	7.0	1.5	0.24	2.5 x 0.6	0.098	0.10	12.35	11.13	8.35
1919457	SMT-2551S12STD	Tubular-push	12	14.4	10.0	1.5	0.18	2.0 x 1.0	0.118	0.39	24.39	20.83	16.32
1919473	SMT-3257S12STD	Tubular-push	12	11.07	13.0	3.7	0.18	2.3 x 1.3	0.157	0.65	29.45	26.35	22.10
262191	SMT-3257S24STD	Tubular-push	24	44	13.0	6.80	0.70	2.3 x 1.3	0.160	0.65	23.95	20.36	15.27

† Open frame type dimensions: L" x W" x H" * Dual shaft

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1919481



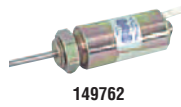
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262191

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Stepper Motors & Binary Switches

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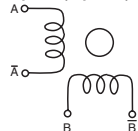
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- 18" lead wires
- Ambient temp.: -10°C to +55°C
- Insulation resistance: 100MΩ @ 500VDC
- Use P/N 161998, pg 174, for shaft coupler

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Bipolar (2-phase)



Unipolar (4-phase)

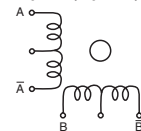


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Part No.	Cross Ref. No.	Fig.	Drive System	Voltage (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Wt. (lbs.)	Pricing		
																		1	10	50
237489	39BYG001	1	Bipolar	5	1.8	5	1000	—	150	1800	1.22	0.10	0.20	0.91	1.54	1.34	0.44	\$19.15	\$16.26	\$13.11
237578	57BYG061	2	Bipolar	6	1.8	12	500	24	—	3569	1.86	0.20	0.25	0.83	2.29	1.61	1.00	35.49	31.93	28.73
155460	42BYG023	1	Bipolar	12	1.8	30	400	36	220	2100	1.73	0.10	0.20	0.60	1.70	1.30	0.50	20.95	18.99	17.51
237472	39BYG401A	1	Bipolar	12	1.8	30	400	32	200	2100	1.22	0.10	0.20	0.95	1.54	1.34	0.44	21.45	19.33	17.39
237569	57BYG009	2	Unipolar	2.4	1.8	1	2400	1.5	—	5914	1.86	0.20	0.25	0.83	2.29	2.20	1.40	33.89	28.82	21.61
237614	57BYGH801	3	Unipolar	3.3	1.8	2.2	1500	22	—	5608	1.86	0.20	0.25	0.83	2.24	2.01	1.32	35.55	30.22	22.66
237535	42BYGH102	4	Unipolar	3.6	1.8	3	1200	3.2	220	3000	1.22	0.10	0.20	0.95	1.67	1.57	0.50	17.95	16.15	14.55
237552	57BYG008	2	Unipolar	4	1.8	3.1	1300	4.4	—	4996	1.86	0.20	0.25	0.83	2.29	2.01	1.30	35.79	30.42	22.81
237622	57BYGH802	3	Unipolar	4.8	1.8	3.2	1500	2.9	—	8157	1.86	0.20	0.25	0.83	2.24	2.20	1.54	37.69	32.04	24.03
237607	57BYGH001	3	Unipolar	5	1.8	5	1000	—	—	3976	1.86	0.20	0.25	0.83	2.24	1.61	1.10	36.89	33.21	29.92
237825	25BY4801	5	Unipolar	5	7.5	10	500	—	45	110	1.38	0.14	0.08	0.35	0.98	0.56	0.07	8.59	7.13	6.62
237674	35BY48B06	6	Unipolar	5	7.5	10	500	65	65	250	1.65	0.13	0.08	0.45	1.38	0.59	0.15	9.35	8.42	7.56
223870	57BYG070	2	Unipolar	5.4	1.8	3.6	1500	6	977	8974	2.65	0.20	0.25	0.80	2.20	2.20	2.00	52.45	44.57	33.42
237631	57BYGH803	3	Unipolar	6.3	1.8	4.2	1500	—	—	14276	1.86	0.20	0.25	0.83	2.24	2.99	2.43	64.59	54.90	41.17
172646	42BYG205	2	Unipolar	9.6	1.8	75	480	15	220	2300	1.73	0.10	0.20	0.90	1.70	1.40	0.50	21.35	18.15	13.61
224021	42BYG016	1	Unipolar	12	1.8	75	160	40	150	900	1.73	0.10	0.20	0.70	1.70	1.30	0.50	16.95	13.95	11.95
155433	42BYG228	1	Unipolar	12	1.8	30	400	23	220	2000	1.73	0.10	0.20	0.90	1.70	1.50	0.50	20.55	18.64	16.70
237543	57BYG007	2	Unipolar	12	1.8	32	380	30	—	2957	1.86	0.20	0.25	0.83	2.29	1.61	1.00	30.19	25.66	19.87
238538	42BYGH404	4	Unipolar	12	1.8	30	400	25	250	3200	1.22	0.10	0.20	0.95	1.67	1.89	0.60	22.05	19.83	17.85
162027	57BYG084	2	Unipolar	12	1.8	20	600	22	725	6000	2.65	0.20	0.25	1.00	2.20	2.00	1.30	35.65	32.09	28.87
173181	30BYJ02AH	5	Unipolar	12	7.5	200	60	49.5	400	736	1.42	0.14	0.19	0.36	1.18	0.68	0.10	15.35	13.03	9.76
238019	30BYJ01C1	7	Unipolar	12	7.5	300	40	—	350	644	1.54	0.17	0.12	0.20	1.18	0.68	—	4.29	4.06	3.84

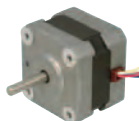
* 155460: Dual shaft

** 173181: Gear ratio 85.25:1

Blue Part No. = Limited Quantity Available

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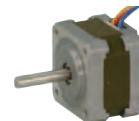
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Part No.	Cross Ref. No.	Drive System	Volt. (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Pricing		
																1	10	50
1581231	PX243M-01AA	Bipolar	4	0.9	8.4	670	10	—	793	1.79	0.08	0.195	0.88	1.67	1.27	\$9.95	\$8.95	\$7.95
454475	41118S-62-07	Bipolar	24	1.8	0.6	2500	.93	—	3240	—	—	0.190	0.50	1.67	1.34	12.95	11.49	9.95
1585653	KP35FM2-044	Bipolar	24	1.8	—	500	7.8	90	700	1.45	0.09	0.197	0.90	1.62	1.05	9.95	8.95	7.95



Pushbutton Binary Coded Decimal (BCD) Switch

26789 (2 switches shown)

Thumbwheel Binary Coded Decimal (BCD) Switch

(2 switches shown) 26818

Pushbutton and Thumbwheel Switch Specifications:

- Contact resistance: 100mΩ max.
- Break before make
- Switches snap together
- 1/16" maximum panel thickness
- Operating temperature: -40°C to +85°C
- Gold plated BE-CU alloy contacts
- Continuous load: 1 amp max.
- 0.15A @ 50VAC/28VDC
- Front snap-tab mounting w/ end plates

JAMECO
EXCLUSIVE

Part No.	Cross Ref. No.	Description	Size (L" x W" x D")	Character Height	Pricing			
					1	10	50	100
26789	MX72	10-position pushbutton	1.2 x 0.3 x 1.7	0.19"	\$6.85	\$6.17	\$4.93	\$3.69
26818	MX83	10-position thumbwheel	1.2 x 0.3 x 1.9	0.25"	4.69	4.14	3.72	3.34

Lowest Price Guarantee

Have you found a product at a lower print-advertised price?
We'll beat that price by 10% right down to our cost!

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Switches are available on line at www.Jameco.com/Electromechanical



Pushwheel Switch

- Contact resistance: 0.1Ω max.
- Insulating resistance: 10,000MΩ
- Max. non-switching current: 1A
- Selector switches with very small dimensions for front-mounting
- Printed circuit board: glass filled epoxy, copper-plated gold over nickel
- Mounting: front mounting, snap-in end caps
- Terminals: gold-plated quick connect terminal or solder pins
- Contacts: WE alloy
- Dielectric strength: 500V
- Electrical rating: 0.1A/50V
- Mechanical cycle: 10,000,000 operations
- Housing material: PPO (noryl)

NEW
MARKED IN PINK



For Honeywell Switches visit www.Jameco.com

For Honeywell Auxiliary Actuators visit www.Jameco.com

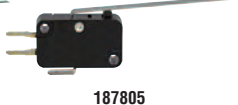
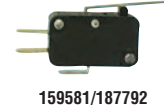
Part No.	Product No.	Description	Pos.	1	10	50
577109	PAGA3100	Hexadecimal (0-9, A-F), short PCB	16	\$13.69	\$12.18	\$10.50

Miniature Basic Switches



- 3 terminals: common; normally open; normally closed
- Size: 1.10"L x 0.40"W x 0.63"H

NEW
MARKED IN PINK



Part No.	Product No.	Manufacturer	Actuator Type	Contact Form	Contact Rating	Service Life (Mech./Elec.)	Terminal Type	Pricing		
								1	10	100
1945268	VM-5	Zippy	Roller lever (2.00"L)	SPST	5A @ 125/250VAC	—	0.183" quick connect	\$1.75	\$1.49	\$1.25
159572	VS10N051C	Highly Electric	Hinge roller (0.60"L)	SPDT-NC	10A @ 125VAC, 10A @ 250VAC	10M/100k	0.250" quick disconnect	2.89	2.54	2.28
159581	VS10N021C2	Highly Electric	Hinge lever (1.05"L)	SPDT-NC	10A @ 125VAC, 10A @ 250VAC	10M/100k	0.183" quick connect	2.45	2.08	1.71
187792	V-10G2-1C24K	Omron	Hinge lever (1.08"L)	SPDT-NC	0.1A @ 125VAC, 10A @ 250VAC	50M/300k	0.183" quick connect	2.45	2.25	1.99
187805	V-10G3-1C24K	Omron	Long hinge lever (2.01"L)	SPDT-NC	0.1A @ 125VAC, 10A @ 250VAC	50M/300k	0.183" quick connect	2.89	2.60	2.40



- Economical, subminiature basic switch offers long service life
- Lead spacing: A = 0.35"; B = 0.29"
- Free from overtravel restrictions, permits easy setting
- Dimensions: 0.78"L x 0.25"W x 0.40"H

Subminiature Basic Switches

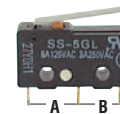


Fig. 1



Fig. 2

Part No.	Product No.	Manufacturer	Fig.	Contact Actuator Type	Form	Service Life Contact Rating (Mech./Elec.)	Terminal Type	Pricing		
								1	25	50
187709	SS-5GL	Omron	1	Hinge lever (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	Solder	\$1.59	\$1.45	\$1.29
187733	SS-5GL2	Omron	2	Hinge roller (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	Solder	1.38	1.33	1.27
159599	SS0505A	Highly Electric	2	Hinge roller (0.7"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	Solder	1.29	1.07	.96



Pushbutton Switches

IP and AV Series Panel Mount Pushbutton Switches

171758/171766: IP Series

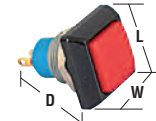
- Initial contact resistance: 50mΩ max.
- Insulation resistance: 1GΩ min. @ 500VDC
- Mounting hole: 1/2"Dia.
- Dielectric strength: 1500V_{RMS} min.
- Mechanical life: 1,000,000 cycles min.

171774: AV Series

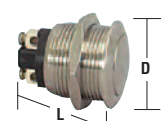
- Initial contact resistance: 10mΩ max.
- Insulation resistance: 1000MΩ min.
- Mounting hole: 3/4"Dia.
- Dielectric strength: 1000V_{RMS} min.



171758



171766



171774

Part No.	Product No.	Pins	Type () Momentary	Dimensions			Lead Spacing	Contact Rating	Terminal Type	Pricing			
				L	W	D				1	10	100	250
171758	IPR3SAD2	2	SPST off-(on)	0.82"	—	0.46"	0.19"	0.2A @ 250VAC	Solder	\$10.89	\$9.82	\$8.87	\$7.87
171766	IPC3SAD6	2	SPST off-(on)	0.82"	0.69"	0.46"	0.19"	0.2A @ 250VAC	Solder	16.25	14.69	13.39	11.77
171774	AV191003C900	2	SPST off-(on)	1.20"	—	0.87"	0.37"	0.2A @ 48VDC	Screw	12.55	11.38	10.24	9.23



Pushbutton Switches

- 2-pin
- Lead type: solder terminal
- Contact rating: 164566/164639: 0.5A @ 125VAC; 164582: 1A @ 125VAC; 106112: 3A @ 110VAC

Miniature Soft Touch Switches

Part No.	Product No.	Fig.	Type () Momentary	Dimensions	Lead Spacing	Thread Diameter	Button Color	Pricing			
								1	10	100	500
164494	DS450R	1	SPST off-on	1.2"L x .59"Dia.	.175"	.387"	Red	\$2.25	\$2.14	\$2.05	\$1.96
164486	DS463R	1	SPST off-(on)	1.2"L x .59"Dia.	.175"	.387"	Red	2.89	2.39	2.19	1.95
164523	DS466R	2	SPST off-(on)	1.2"L x .60"Sq.	.160"	.383"	Red	2.05	1.95	1.88	1.82

Standard Touch Switches

Part No.	Type Product No.	Lead Fig.	Thread () Momentary	Button Dimensions	Spacing	Diameter	Color	Pricing			
								1	10	100	500
164566	MS402R	3	SPST off-(on)	.73"L x .22"Dia.	.078"	.190"	Red	\$1.23	\$1.19	\$1.15	\$1.09
164582	DS016B	4	SPST off-(on)	.88"L x .46"Dia.	.220"	.354"	Black	1.65	1.59	1.53	1.46
164639	MS3120R	5	SPST off-(on)	1.1"L x .31"Dia.	.175"	.268"	Red	1.65	1.49	1.34	1.26
106112	DS412R*	6	SPST off-(on)	.63"L x .66"Dia.	.275"	.750"	Red	1.15	1.10	1.05	1.04

* Solder lugs



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

Pushbutton & Toggle Switches

3 LEVELS OF SAVINGS
FRANCHISE SOURCED JAMECO HOUSE BRANDS FACTORY OVERRUN
GENERIC & NON-FRANCHISED

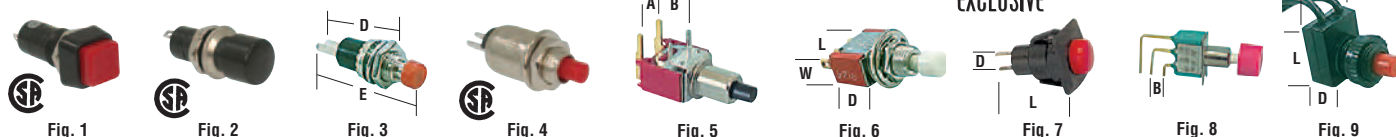
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JAMECO ValuePro

Pushbutton Switches

JAMECO EXCLUSIVE

QUANTITY SAVE



Part No.	Cross Ref. No.	Fig.	Pins	Mounting Hole Dia.	Type () Momentary	Dimensions (L" x W" x D")	Lead Spacing		Contact Rating	Terminal Type	Button Color	Pricing				
							A"	B"				1	10	100	500	1000
315432	R13-23A-R	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	\$1.37	\$1.23	\$1.05	\$.84	\$.63
315492	R13-23B-B	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Black	1.29	1.19	.99	.92	.87
315484	R13-23B-R	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	1.29	1.16	.99	.80	.60
315599	R13-40A-R	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Red	1.35	1.23	1.10	.99	.93
26623	MS102	3	2	1/4"	SPST off-(on)	.65 (D) x 1.10 (E)	—	.14	3A @ 125VAC	Solder lugs	Red	.66	.60	.54	.42	.348
26649	MS103	3	2	1/4"	SPST on-(off)	.65 (D) x 1.10 (E)	—	.17	3A @ 125VAC	Solder lugs	Black	.65	.57	.479	.388	.296
315643	R13-81-R	4	2	13/64"	SPST off-(on)	.44 (D) x .78 (E)	.08	—	.5A @ 125VAC	PC terminal	Red	1.49	1.36	1.23	1.10	.87
71643	SWB210	5	2	7/32"	SPST off-(on)	.36 x .20 x .33	.20	.20	1A @ 120VAC	PC right angle	Black	2.65	2.39	2.14	1.92	1.67
121305	CK8121	6	3	1/4"	SPDT on-(on)	.52 x .27 x .38	—	.185	5A @ 125VAC	Solder lugs	White	3.59	3.25	2.95	2.65	2.39
28063	PB126	6	3	1/4"	SPDT on-(on)	.52 x .28 x .38	—	.185	5A @ 120VAC	Solder lugs	Red	3.69	3.35	2.99	2.69	2.45
174414	R13-510A	7	2	1/2"	SPST off-(on)	.67 (L) x .31 (D)	—	.167	3A @ 125VAC	Solder lugs	Red	.79	.78	.77	.74	.69

Great Prices on Special Buys from Other Manufacturers

154878	PS11-123	8	3	1/4"	SPDT on-(on)	.50 x .27 x .37	—	.14	5A @ 125VAC	Solder, right angle	Red	\$1.79	\$1.70	\$1.61	\$1.51	\$1.43
22200	J1881	9	2*	3/8"	SPST on-off, Alt ¹	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	White	1.05	.98	.93	.88	.84
22218	J1882	9	2*	3/8"	SPST off-(on)	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	Red	1.05	.91	.81	.73	.65

* Lead wires ¹ Alt = alternate action

C&K

8020 Series Snap-Acting Momentary Pushbutton Switch

- Typical applications: instrumentation, computer peripherals, telecommunications equipment
- Positive tactile feel
- Contact form: SPDT ON-MOM
- Plunger height: 0.218"
- Electrical life: 60,000 make and break cycles @ full load
- Length: 1.03"
- Contact resistance: below 50mΩ typical initial @ 2-4VDC, 100mA
- Dielectric strength: 1,000Vrms
- Insulation resistance: 1,000MΩ min.

Includes: Nut, locking ring & lockwasher



Part No.	Product No.	Contact Rating	Contact Plating	Bushing	Terminal	Description	1	10	100	500
596799	U811SH2GE	1A @ 120VAC/28VDC	Gold over silver	0.250"H, flat	Solder lug	Standard plunger, SPDT ON-MOM	\$3.95	\$3.49	\$2.95	\$2.49

Switchcraft®

Cord-Switch®

- Maximum cable side diameter: .375"
- Copper alloy plated housing and switch bushing
- Plastic insulation



Part No.	Product No.	Description	1	10	25
297502	ED903	Cord-switch	\$11.29	\$11.03	\$10.80

CHERRY

For Cherry E Series Panel Mount Pushbutton Switches visit www.Jameco.com

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

JAMECO ValuePro

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Standard Toggle Switches

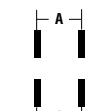
- Panel mount
- Medium duty
- Mounting hole diameter: 1/2"
- Full-size round lever for standard and metal
- Full-size flat lever for plastic
- Keyed plate indicates switch position

Includes: Mounting hardware and on/off plate

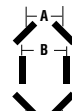
CAL US



3-pin



2-pin or 4-pin



6-pin

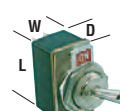


Fig. 1



Fig. 2



Fig. 3

Part No.	Cross Ref. No.	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing			Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing				
						A"	B"	C"				1	10	100	500	1000
76241	SWM128	1	2	SPST on-off	1.00 x .56 x .52	.23	—	—	4 @ 125 & 2 @ 250	Solder lugs	Round	\$1.79	\$1.61	\$1.37	\$1.10	\$.82
76232	SWM125	2	2	SPST on-off	1.00 x .53 x .51	—	—	—	6 @ 125 & 3 @ 250	6" lead wire	Round	2.25	2.00	1.86	1.68	1.26
317825	R13-25A2-01	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Metal	1.99	1.75	1.38	1.27	1.10
318002	R13-28A-01	3	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.39	2.15	1.71	1.47	1.21
318123	R13-28D-01	3	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.49	2.25	1.95	1.75	1.49
318141	R13-28D-06	3	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	3.79	3.20	3.02	2.47	1.86
158060	JKN32	1	4	SPDT on-off	1.00 x .56 x .52	.23	—	.23	4 @ 125 & 2 @ 250	Solder lugs	Round	1.38	1.26	1.14	1.02	.92
76260	SWM126	1	6	DPDT on-on	1.12 x .77 x .60	.30	.60	.40	5 @ 125 & 3 @ 250	Solder lugs	Round	1.59	1.43	1.30	1.17	1.05
158078	JKN3CC	1	6	DPDT on-on	1.19 x .76 x .73	.44	.59	.44	10 @ 125 & 6 @ 250	Screw lugs	Round	1.75	1.59	1.29	.99	.75
318043	R13-28B-01	3	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	4.29	3.86	3.28	2.62	1.97
318051	R13-28B-05	3	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	4.95	4.44	3.77	3.01	2.27

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Switches are available on line at www.Jameco.com/Electromechanical

JAMECO ValuePro



Miniature Toggle Switches

- Mounting hole diameter: 1/4"

Includes: Mounting hardware



Fig. 1



Fig. 2

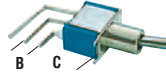


Fig. 3



Fig. 4



Fig. 5



Fig. 6

QUANTITY SAVE

Part No.	Cross Ref. No.	Fig.	Pins	Type () Momentary	Dimensions L" x W" x D"	Lead Spacing			Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing				
						A"	B"	C"				1	10	100	500	1000
76523	JMT113	1	2	SPST on-off	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	\$1.38	\$1.24	\$1.12	\$.90	\$.78
21936	JMT123	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.49	1.19	1.05	.81	.70
21910	JMT121	1	3	SPDT on-off-on	.52 x .32 x .38	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.35	1.25	1.09	.95	.71
22832	LFH123	2	3	SPDT on-on	.52 x .28 x .36	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.25	1.09	.99	.79	.65
75854	SWM132	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.55	1.40	1.25	1.13	.83
75889	SWM129	1	3	SPDT (on)-off-(on)	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.25	1.09	.99	.75
26332	MPC123	1	3	SPDT on-on	.52 x .32 x .37	—	.185	—	6 @ 125 & 3 @ 250	PC straight	Round	1.39	1.25	1.12	.95	.78
26315	MPC121	1	3	SPDT on-off-on	.52 x .32 x .37	—	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.29	1.15	1.05	.95	.75
71597	SWM148	3	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	5 @ 125 & 2 @ 250	PC right angle	Round	1.29	1.19	.99	.79	.59
75871	SWM145	4	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.49	1.35	1.09	.86	.79
22841	LFH221	6	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	3 @ 125 & 1 @ 250	Solder lugs	Flat	1.45	1.31	1.11	.88	.66
21979	JMT223	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.49	1.29	1.15	.99	.59
22859	LFH223	6	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.55	1.43	1.26	1.14	.89
75900	SWM133	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.79	1.59	1.35	1.09	.85
21952	JMT221	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.55	1.37	1.17	.93	.75
75951	SWM130	5	6	DPDT (on)-off-(on)	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.35	1.25	1.00	.75
26367	MPC223	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.35	1.22	1.13	.89	.81
26358	MPC221	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.95	1.76	1.50	1.20	.90
Great Prices on Factory Overruns from Other Manufacturers																
1585506	7201L1YZTME	1	6	DPDT on-on	.50 x .45 x .35	—	.135	—	5 @ 120 & 2 @ 250	Solder lugs	Round	\$1.19	\$1.09	\$.99	\$.75	\$.59

JAMECO ValuePro

Subminiature Toggle Switches

- Mounting hole diameter: 7/32"
- Pre-tinned leads
- Metal construction

Includes: Mounting hardware

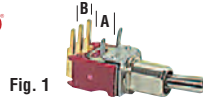


Fig. 1

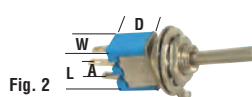


Fig. 2

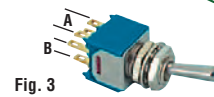


Fig. 3



Fig. 4

QUANTITY SAVE

	Cross				Dimensions	Lead Spacing				Lever	Pricing				
Part No.	Ref. No.	Fig.	Pins	Type	L" x W" x D"	A"	B"	Contact Rating	Lead Type	Type	1	10	100	500	1000
106068	SWP124	1	3	SPDT on-on	.25 x .33 x .40	.20	.10	30mA @ 5VDC	PC right angle	Round	\$2.39	\$2.15	\$1.83	\$1.48	\$1.11
72161	SW1501	2	2	SPST on-off	.33 x .21 x .33	.10	—	1.5A @ 250VAC	Solder lugs	Round	1.31	1.29	1.25	1.20	.90
75969	SWM136	2	3	SPDT on-on	.33 x .21 x .33	.10	—	3A @ 125VAC	Solder lugs	Round	1.69	1.52	1.29	1.04	.78
138907	SW1503	3	6	DPDT on-off-on	.36 x .37 x .33	.17	.10	3A @ 120VAC	Solder lugs	Round	1.55	1.40	1.19	.96	.72
75977	SWM137	3	6	DPDT on-on	.33 x .37 x .33	.17	.10	1.5A @ 250VAC	Solder lugs	Round	1.45	1.17	.94	.72	.61
				Great Prices on Factory Overruns from Other Manufacturers											
1585493	ET012D1AVBE	4	3	SPDT on-on	.32 x .20 x .18	.10	—	20mA @ 20VDC/VAC	PC right angle	Round	\$1.19	\$1.09	\$.99	\$.75	\$.59

Honeywell

- Screw terminals
- UL recognized
- Electrical rating (resistive): 20A @ 28VDC/15A @ 115VAC/6A @ 230VAC

TL Series

- Temp. range: -85°F to 160°F (-65°C to 71°C)

Part No.	Product No.	No. of Poles	No. of Positions	Keyway Position	Center Position	Opposite Keyway Position	Pricing		
							1	10	100
1817477	2TL1-2	2	2	Off	—	2-3, 5-6	\$28.15	\$23.95	\$22.25
1817400	2TL1-1	2	3	1-2, 4-5	Off	2-3, 5-6	30.19	24.24	21.12

NT Series

- Temp. range: -40°C to 71°C (-40°F to 160°F)

Part No.	Product No.	No. of Poles	No. of Positions	Keyway Position	Center Position	Opposite Keyway Position	Pricing		
							1	10	100
1815906	1NT1-2	1	2	Off	—	2-3	\$16.15	\$12.55	\$11.28



Electro Magnetic Counters

- 8" wire
- Color: beige
- Flanged face, panel mount
- Reset button and lock button
- Count up to 999,999 (6 digits)
- Dimensions: 2.0"W x 1.1"H x 2.5"D



Part No.	Cross Ref. No.	Input Voltage	1	10
1810064	CNTR6-12VDC	12VDC ..	\$24.95	\$19.95
1810056	CNTR6-120VAC	120VAC	24.95	19.95

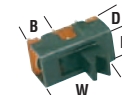
JAMECO ValuePro

Slide Switch

- Two mounting flanges
- 6/6 nylon plastic housing

- Top actuation
- Phenolic insulated

- Nylon actuator



Part No.	Pins	Type	Description	Housing Material	Dimensions			Lead Spacing		Contact Rating	Lead Length	Actuator Height	Pricing			
					L"	W"	D"	A"	B"				1	10	100	250
109171	3	SPDT on-on	PC mount	Plastic	.22	.45	.23	—	.12	0.5A @ 50VDC	.17"	.15"	\$.31	\$.26	\$.23	\$.19

⬆ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

Rocker, Tactile & Keylock Switches

3 LEVELS OF SAVINGS
FRANCHISE SOURCED JAMECO HOUSE BRANDS FACTORY OVERRUN
GENERIC & NON-FRANCHISED

Additional ICs are available on line at www.Jameco.com/Passives

JAMECO ValuePro

Snap-In Panel Mount Rocker Switches

- Rectangle rocker type
- Mounting type: panel mount
- Mounting hole: 0.78" L x 0.52" W
- Terminal type: 0.187" quick connect

1945276/1945284: 5.5" wire leads



316014



316022



316111

JAMECO EXCLUSIVE



1945276

Part No.	Cross Ref. No.	Pins	Type () Momentary	Contact Rating (A @ VAC)	Rocker Color	Lead Space A" B"	Dimensions (L"xW"xD")	Pricing		
								1	10	100
316014	R13-66A-B-02	2	SPST on-off	16 @ 125	Black top	0.31 —	.83 x .59 x .63	.99	.86	.56
316022	R13-66A-R-02	2	SPST on-off	16 @ 125	Red top	0.31 —	.83 x .59 x .63	.99	.86	.56
316111	R13-73A2-B-02	4	DPST on-off	10 @ 125	Black (I-O)	0.20 0.34	.83 x .59 x .68	1.69	1.58	1.42

Great Prices on Special Buys from Other Manufacturers

1945276	BR-12A-55S Pronic	2	SPST on-off	10 @ 125 5 @ 250	Light gray	0.31 —	.83 x .59 x .59	.69	.59	.49
1945284	R13-66 Pronic	3	SPST on-off	10 @ 125 6 @ 250	Dark gray	0.31 —	.83 x .59 x .55	.69	.59	.49

Standard Appliance Rocker Switch

- Terminal type: 0.250" quick connect
- Panel mount
- Rectangular
- Type: SPDT (on)-off-(on)
- 16A @ 125VAC

NEW
MARKED IN PINK



Part No.	Product No.	Hole	1	10	100
617473	35-695	0.55" x 1.12"	\$4.25	\$3.52	\$3.30

ITW

Snap-In Panel Mount Rocker Switch

- SPDT
- Black
- 16A: 3/4 HP @ 125VAC;
- 12A: 3/4 HP @ 250VAC
- 16A @ 28VDC
- Slip on terminal (0.25")
- Cut out dimension: .48"W x 1.08"H
- Snaps in to panels from .015" to .125" thick
- Size: 1.185"H x .55"W x .59"D

NEW
MARKED IN PINK



Part No.	Product No.	1	10	100
1945241	163-099-029	.69	.59	.49

OMRON

B3F Series Miniature Tactile Key Switch

- Low profile and easy mounting
- Lead spacing: A = 0.18"; B = 0.26"
- Operating force: high-force 260g
- Applications: audio, office & communications equipment, measuring instruments, TVs, VCRs, etc.
- Extended mechanical/electrical service life
- Flux-tight base structure allows automatic soldering of the key switch onto a PC board
- Dimensions: 4.3 mm x 6.5 mm



Part No.	Type	1	25	50	100
162886	B3F-1000	.45	.40	.36	.33

Switch Grab Bags

18235: 50 pcs. assorted – toggle, pushbutton, rocker and slide switches

135378: 1 lb. (approx. 135 pcs.) assorted – toggle, pushbutton, rocker and slide switches



18235

Part No.	Cross Ref. No.	Wt. (lbs.)	1	10
18235	GB165	0.4	\$7.95	\$6.95
135378	GB165LB	1.0	19.95	17.95

Switch Assortment Kit

Includes:

- 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 106 and 30 adhesive labels for drawers to identify parts in kit
- 10 ea. miniature toggle switches (76523, 21936, 21910, 26332, 26315, 21979, 21952, 26367, 26358), pg 95
- 10 ea. slide switches (109171), below
- 10 ea. pushbutton switches (26623, 26649), pg 94
- 10 ea. DIP switches (38818, pg 97; 38843, web)
- 10 ea. tactile switches (153252), above left

SAVE \$47

Part No.	Description	Wt. (lbs.)	1	10
85059	150 pcs. switch kit	5.0	\$118.75	\$106.74

JAMECO ValuePro

Tactile Switches

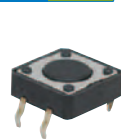


Fig. 1

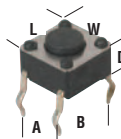


Fig. 2

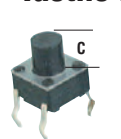


Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

- Bounce time: 10 msec.
- Lead type: PC

- SPST momentary ON
- Contact resistance: 100mΩ

Part No.	Cross Ref. No.	Fig.	Pins	Dimensions (in.)				Lead Spacing		Contact Rating (mA @ VDC)	Button Color	Pricing			
				L	W	D	C	A"	B"			1	10	100	250
119011	KT11B1CM	2	8	.24	.24	.15	.30	.17	.25	20 @ 15	Black	.27	.24	.22	.20
149948	KT11P4CM	3	4	.24	.24	.15	.13	.17	.25	20 @ 15	Black	.26	.23	.21	.19
153252	SDT620K	2	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.29	.25	.20	.18
155249	KRS-3550-BK	4	2	.24	.14	.15	—	.27	.50	50 @ 12	Black	.27	.22	.20	.16
155380	KRS-1273B	5	4	.47	.47	.14	.14	.17	.53	50 @ 12	Brown	.39	.35	.31	.26

♦ See switch caps below

Great Prices on Special Buys from Other Manufacturers

Part No.	Cross Ref. No.	Fig.	Pins	Dimensions (in.)				Lead Spacing		Contact Rating (mA @ VDC)	Button Color	Pricing			
				L	W	D	C	A"	B"			1	10	100	250
1586074	EVQ-PAG04K	2	4	.24	.24	.14	.05	.17	.26	20 @ 12	Black	.23	.21	.19	.17
122973	DTS1212	1	4	.47	.47	.18	—	.20	.50	20 @ 15	Black	.25	.19	.17	.15
199726	EVQ11A04M	7	2	.24	.24	.14	.30	.20	—	20 @ 15	White	.29	.25	.21	.17

Tactile Switch Caps ♦

Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	Fig.	Description	Size (in.)	Material	For Use With	10	100	250
155409	KRS-CAP-B	6	Round	.50" Dia. x .25"H	Plastic	P/N 155380	.16	.14	.12

JAMECO ValuePro

SPST Round Keylock Switches

- Used in computer and other security systems
- Mounting hole = 0.75" except P/N 106650 = 0.5"
- Key removable from 2 positions
- Two keys

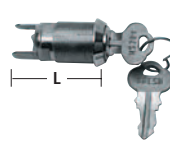
196649: all keys are alike

Includes: Mounting nut

JAMECO EXCLUSIVE



106650



105832/196649

Part No.	Cross Ref. No.	No. Flat, Dia.	Length	Terminal	Voltage/Current	1	10	50	100
106650	KS4B	2, 0.21"	0.55"	Barrel	125VAC/3A	\$4.35	\$3.95	\$3.47	\$2.99
105832	KS3B	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	4.15	3.73	3.42	3.11
196649	3313E-M	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	4.75	4.28	3.42	3.00

Magnetic Reed Switches

- NO (normally open)
- Contact form: SPST
- 171872: 500mA @ 100VDC
- 164081: 1A @ 250VAC; 1A @ 50VDC

Part No.	Cross Ref. No.	Dimensions (L"xD")	1	10	100	1000
171872	MKA14103	0.53 x 0.1	.79	.64	.46	.41
164081	MRS1	1.43 x 0.2	.79	.69	.59	.55



164081

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Switches are available on line at www.Jameco.com/Electromechanical



76 Series Thru-Hole DIP Switches

- SPST rocker
- Spring ball contact
- Dielectric strength: 500V_{RMS}
- Carrying current: 5A



696802

788328

696933/696917

PSB – Piano DIP Style (UP is off), SPST

Part No.	Product No.	Position	Length (in.)	1	10	100
696802	76PSB04ST	4	0.480	\$1.65	\$1.46	\$1.35

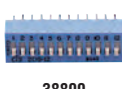
Toggle DIP Style, SPDT

Part No.	Product No.	Position	Length (in.)	1	10	100
788328	76TC04T	4	0.780	\$4.15	\$3.65	\$2.95

SB – Raised Rocker Style, SPST

Part No.	Product No.	Position	Length (in.)	1	10	100
696933	76SB08T	8	0.880	\$1.45	\$1.32	\$1.20
696888	76SB04ST	4	0.480	1.05	.98	.89
696909	76SB06ST	6	0.680	1.49	1.33	1.23
696917	76SB08ST	8	0.880	1.45	1.35	1.23

DIP Switches



139002

139012

38800

- Switch contacts: SPST
- Switches are numbered
- 50VDC @ 100mA
- Molded construction
- Standard switches have raised lever
- LP switches are flush to casing
- Pre-tinned leads



38842



Compatible Socket Chart, see page 82 for Sockets

Switch	Socket	Switch	Socket	Switch	Socket
109059	112193	139012	37373	38818	51571
38820	51571	38798	38608	139002	51571
139003	51571	38800	39378	38826	37162
38827	37162	109057	112193	38834	37162
38842	37373	206359	51571	38797	38608

Part No.	Cross Ref. No.	Mfr.	Pos.	1	10	100
109059	206-2	ValuePro	2	.75	.68	.54
38820	206-4	ValuePro	4	.65	.59	.468
139003	206-4LP	ValuePro	4	.79	.70	.55
38827	206-6	ValuePro	6	1.09	.98	.78
38842	206-8	ValuePro	8	.89	.80	.72
139012	206-8LP	ValuePro	8	.85	.76	.61
38798	206-10	ValuePro	10	1.06	.98	.64
38800	206-12	ValuePro	12	1.05	.99	.93
109057	206-2	Various*	2	.69	.62	.56
206359	206-3	Various*	3	.49	.45	.35
38818	206-4	Various*	4	.48	.44	.40
139002	206-4LP	Various*	4	.47	.441	.303
38826	206-6	Various*	6	.88	.83	.57
38834	206-7	Various*	7	.95	.86	.77
1939562	4-435626-2	AMP*	8	.75	.69	.55
38797	206-10	Various*	10	.75	.65	.49

*Manufacturer may vary



DIP Switches

- Standard profile
- 2A @ 5VDC or 25mA @ 25VDC



Part No.	Product No.	Pos.	Length	1	10	50
617908	35-964	4	0.48" ..	\$1.75	\$1.59	\$1.44
617916	35-968	8	0.88"	2.35	2.16	2.03

♣ This product typically requires two additional days to ship. Please request "ship partial" if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.



78 Series Thru-Hole DIP Switches

- Spring ball contact
- Carrying current: 4A
- Dielectric strength: 500V_{RMS}



696950

696984/696968

Raised Slide

Part No.	Product No.	Pos.	Description	Length (in.)	1	10	100
696950	78B04ST	4	SPST, straight	.480	\$1.79	\$1.63	\$1.47
696984	78B08T	8	SPST, straight	.880	2.15	2.06	1.98
696968	78B08ST	8	SPST, straight	.880	1.99	1.79	1.61

SMT DIP Switches

- Contact resistance: 100mΩ initial
- Insulation resistance: 1000MΩ (min.) across open switch & between adjacent closed switch
- Dielectric strength: 300VAC for 1 min.
- Non-switching rating: 100mA or 50VDC max.
- Gold plated beryllium copper contacts, gold flash coated terminals

859632



Part No.	Product No.	Positions	Description	1	10	100
859632	218-4LPST (CTS)	4	SPST	\$1.85	\$1.49	\$1.32
1945022	SMT-6PDS	6	SPST	.99	.75	.49



94H Series Rotary DIP Switches

- Carry current: 100mA @ 50VDC
- Dielectric strength: 250V_{RMS}

Part No.	Cross Ref. No.	Pos.	Code Type	Description	1	10	100
697080	94HAB10T	10	BCD	Flush actuator, Thru-hole	\$2.85	\$2.65	\$2.58
697071	94HAB10RAT	10	BCD	Flush actuator, Thru-hole, Rt. Angle	3.05	2.60	1.95
697101	94HAB16T	16	HEX	Flush actuator, Thru-hole	2.85	2.65	2.58

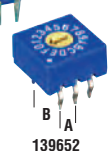


Rotary DIP Switches

- Gold plated contacts to ensure reliable, low resistance connection
- Fully sealed construction
- Max. switching load rating: 25mA @ 24VDC
- Top adjustment
- Material: 94V-0 grade, UL approved fire retardant plastic

Part No.	Cross Ref. No.	Position	Code Type	1	10	50
139636	ERD110RS(ORD10)	10	BCD	\$2.79	\$2.55	\$2.29
139652	ERD116RS	16	Hex	2.99	2.54	1.91

139636



Alcoswitch

Thru-Hole Rotary DIP Switch

- Adjust: top
- Code type: hex
- Contact rating: 0.4W @ 20VDC
- Contact resistance: 50mΩ max.
- Dielectric strength: 300VAC
- Fixed contact/terminal: copper alloy, gold flash over nickel
- Position: 16
- Moving contact: copper alloy, gold flash over nickel
- Insulation resistance: 1000mΩ @ 100VDC
- Rotor: PA6T UL94V-0, white
- Frame and case: PPS UL94V-0, black
- Life expectancy: 10,000 rotations
- Size: 0.394"W x 0.394"D x 0.236"H



Part No.	Product No.	1	10	100
1809389	DRD16CE04	\$5.39	\$5.05	\$4.79

JAMECO ValuePro Rotary Switches

- Contact rating: 30VDC @ 0.3A
- Insulation resistance: 10MΩ min.
- Contact resistance: 30mΩ
- Lug size: 0.07"
- Mounting hole diameter: 3/8"
- Panel mount
- Material: solid brass bushings, slotted aluminum shafts, plated frame, phenolic contact wafer (except for P/N 101566 – plastic casing)
- Make before break
- Shaft size: 0.46"L x 0.25" Dia.; except P/N 101566 1.16"L x 0.25" Dia.



101574

Includes: Washer and nut



Part No.	Cross Ref. No.	Poles	Position	1	10	50
101532	RS0261	1	12	\$1.29	\$1.10	\$0.82
101574	RS022	2	6	1.35	1.15	.86
101566	RS023	3	4	1.95	1.59	1.25
101558	RS024	4	3	1.75	1.48	1.11

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 175.

Additional Relays are available on line at www.Jameco.com/Electromechanical

16-Button Numeric Keypad

- 8-position solder pad
- Contact rating: 24VDC @ 20mA
- Contact resistance: 200Ω max.
- Life test: 1,000,000 life cycles per key
- Size: 3.0"L x 2.8"W x 0.6"H

JAMECO
EXCLUSIVE



Part No.	Description	1	10	100
169245	Numeric keypad	\$9.95	\$8.95	\$7.95

12-Button Telephone Keypad

- 8-pin .100" header
- Contact rating: 12VDC @ 20mA
- Contact resistance: 200Ω max.
- Life test: 1,000,000 cycles per key
- Size: 2.8"L x 2.2"W x 0.6"H

JAMECO
EXCLUSIVE



Part No.	Description	1	NM	NM
190562	Numeric keypad	\$7.95	\$7.25	\$5.95

16-Button Indoor/Outdoor Keypads

- 9-pin .100" headers
- Compatible with MOS, TTL and DTL (10Ω max.)
- Contact rating: 24VDC @ 10mA resistive
- Fully sealed snap-dome contact
- Life test: 3,000,000 cycles per key
- Recommended connector: P/N 103191 header & P/N 100766 pin
- Size (housing): 4.7"W x 1.7"H x 0.4"T



196171



152063

* Prepackaged: please order in increments of 10

Part No.	Description	1	10	100
196171	2x8 matrix keypad	\$16.95	\$14.95	\$12.95
152063	4x4 matrix keypad	14.95	13.49	11.95
103191	Header housing (10-pin)	.42	.39	.36
100766	Header pin	*	.154	.121

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 For Panasonic TK Series Low Signal Relays visit www.Jameco.com

Panasonic

Signal Relays

DS Series Low Signal Relays (High Sensitivity & Standard Coils)

Part No.	Product No.	Fig.	Contact Form	Coil Volt. (VDC)	Coil Resist. (Ω)	Coil Curr. (mA)	Contact Rating (A)		Pins	Dimensions (L" x W" x H")	Pricing		
							30VDC	125VAC			1	25	50
760616	DS1E-S-DC5V	1A	SPDT	5	125	—	2.0	2.0	5	0.59 x 0.39 x 0.37	\$6.15	\$5.93	\$5.27
760595	DS1E-S-DC12V	1A	SPDT	12	720	—	2.0	2.0	5	0.59 x 0.39 x 0.37	6.15	5.93	5.27
842734	DS1E-M-DC12V	1A	SPDT	12	360	—	2.0	2.0	5	0.59 x 0.39 x 0.37	4.35	3.96	3.61
842849	DS2E-M-DC5V	2B	DPDT	5	62.5	80	2.0	2.0	8	0.79 x 0.39 x 0.37	3.09	2.96	2.64
842953	DS2E-S-DC5V	2B	DPDT	5	125	40	2.0	2.0	8	0.79 x 0.39 x 0.37	3.79	3.67	3.26
842793	DS2E-M-DC12V	2B	DPDT	12	360	33.2	2.0	2.0	8	0.79 x 0.39 x 0.37	3.09	2.96	2.63
842902	DS2E-S-DC12V	2B	DPDT	12	720	16.6	2.0	2.0	8	0.79 x 0.39 x 0.37	3.85	3.47	3.14
842814	DS2E-M-DC24V	2B	DPDT	24	1440	16.6	2.0	2.0	8	0.79 x 0.39 x 0.37	3.09	2.96	2.64
843041	DS4E-S-DC12V	3C	4PDT	12	720	—	2.0	2.0	14	1.39 x 0.39 x 0.37	8.59	7.81	7.49

DS2Y Series Low Signal Relay

842996	DS2Y-S-DC5V	4D	DPDT	5	125	40	2.0	2.0	8	0.79 x 0.39 x 0.39	\$2.55	\$2.41	\$2.14
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TN Series Low Signal Relay

843420	TN2-24V	5E	DPDT	24	2880	8.3	1.0	0.5	8	0.55 x 0.22 x 0.39	\$3.85	\$3.44	\$3.26
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Panasonic

Power Relay

JW Series Power Relay

Part No.	Product No.	Fig.	Contact Form	Coil Volt. (VDC)	Coil Resist. (Ω)	Coil Curr. (mA)	Contact Rating (A)		Pins	Dimensions (L" x W" x H")	Pricing		
							30VDC	A@VAC			1	25	50
843235	JW2SN-DC12V	6F	DPDT	12	270	44	5.0	5@250	6	1.13 x 0.50 x 0.79	\$2.29	\$2.18	\$2.06

- Logic control levels
- Long life with reliable operation
- Moisture resistant
- Compatible with IC sockets
- Compact design/construction
- Excellent for PCB applications



106463



99901

DIP Relays

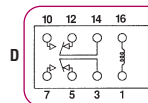
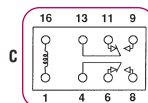
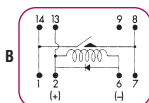
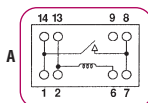


Fig. 1

Fig. 2

Fig. 3

Part No.	Product No.	Manufacturer	Fig.	Contact Form	Coil Voltage	Coil Ohms	Contact Voltage	Contact Current	Pins	Jameco Socket	Size L x W x H (in.)	Leads A x B x C (in.)	Pricing			
													1	10	50	100
106463	201A05	Excel Cell Elect.	3A	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.78 x .25 x .20	.10 x .40 x .30	\$2.59	\$2.17	\$1.82	\$1.50
138431	2D1A05	Excel Cell Elect.	3B	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.77 x .30 x .22	.10 x .40 x .30	2.49	2.24	1.80	1.35
139977	RSB5S	Shin Mei	1C	DPDT	5VDC	125	120VAC/30VDC	1A/2A	8	37373	.79 x .39 x .37	.20 x .40 x .30	2.49	2.25	1.95	1.75
99311	DS2Y-S-DC12V	Aromat (NAIS)	1C	DPDT	12VDC	720	110VAC/30VDC	0.3A/1A	8	37373	.79 x .40 x .43	.20 x .40 x .30	2.65	2.38	2.12	1.80
99901	LX200D00	Clare	1C	DPDT	12VDC	720	125VAC/100VDC	2A	8	37373	.79 x .40 x .30	.20 x .40 x .30	6.95	6.25	5.63	4.49
136549	DS4E-M-DC5V	Aromat	2D	4PDT	5VDC	62.5	125VAC/30VDC	0.6A/2A	14	112299	1.40 x .40 x .36	.20 x .30 x .30	6.15	5.91	5.43	4.74
176313	DS4E-M-DC12V	Aromat	2D	4PDT	12VDC	360	125VAC/30VDC	0.6A/2A	14	112299	1.40 x .40 x .36	.20 x .30 x .30	6.79	6.11	4.88	4.10

♣ This product typically requires two additional days to ship. Please request "ship partial" if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

♣ RoHS compliant product ♣ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

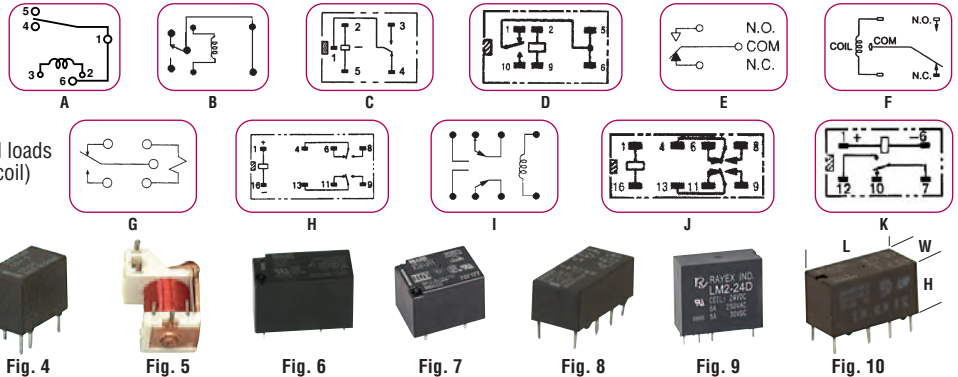
Additional Relays are available online at www.Jameco.com/Electromechanical

Small High-Current PC Mount Relays

While these small, low-cost relays are designed primarily for the appliance industry and the heating, air conditioning and ventilation markets, they are also well suited for automotive load management and other applications.

- Mechanical life expectancy: 10 million operations
- Electrical life expectancy: 100,000 operations at rated loads
- Dielectric strength: 1500V_{RMS} (between contact and coil)

144186: For use with universal relay card
 (P/N 128910, see web)



Part No.	Cross Ref. No.	Manufacturer	Potter & Brumfield Cross Reference	Fig.	Contact Form	Coil Voltage	Coil (Ohms)	Contact Voltage	Contact Current	Pins	L x W x H (in.)	Pricing			
												1	10	50	100
145753	L90A-12W	Rayex	T90S1D12-12	1A	SPST	12VDC	155	240VAC	30A	5	1.2 x 1.0 x .77	\$2.45	\$2.21	\$1.76	<u>\$1.32</u>
134949	L90-5W	Rayex	T90S5D12-5	1A	SPDT	5VDC	27	240VAC/28VDC	20A	6	1.3 x 1.1 x .80	2.35	2.24	2.11	1.58
174450	LU-5	Rayex	T81H5D215	2B	SPDT	5VDC	125	120VAC/24VDC	1A/2A	6	.60 x .40 x .45	1.99	1.79	1.65	1.59
187151	G5LE-1DC5	Omron	—	3C	SPDT	5VDC	63	120VAC/30VDC	10A/8A	5	.90 x .65 x .75	1.41	1.38	1.34	1.27
187240	G5V-1-DC5	Omron	—	4D	SPDT	5VDC	166.7	125VAC/24VDC	.5A/1A	6	.50 x .30 x .40	2.29	2.07	1.84	1.65
187418	G6E-134P-ST-US-DC5	Omron	—	4K	SPDT	5VDC	125	125VAC/30VDC	.4A/2A	5	.63 x .39 x .33	3.95	2.95	2.49	1.95
104927	733SDT12VDC	Song Chuan	T90N5D12-12	5A	SPDT	12VDC	155	240VAC/28VDC	20A/10A	6	1.2 x .90 x .63	1.99	1.79	1.60	1.59
664309	JW1FSN-DC12V	Nais (Aromat)	—	6E	SPDT	12VDC	270	250VAC/30VDC	10	5	1.13 x .51 x .79	1.95	1.75	1.49	1.25
172937	JS1-12V	Nais (Aromat)	T72M5D121-12	7F	SPDT	12VDC	400	125VAC/24VDC	10A/5A	5	.85 x .62 x .63	1.15	1.08	.96	.82
144186	JZC-22F	Velleman	VR15M121C	2G	SPDT	12VDC	337	120VAC/28VDC	15A	5	.80 x .64 x .80	3.79	3.39	3.05	2.75
174431	LEG-12F	Rayex	T7CS5D12	2G	SPDT	12VDC	400	120VAC/24VDC	15A	5	.76 x .62 x .60	1.79	1.55	1.43	1.31
187282	G6A-234PSTUSDC5	Omron	—	8H	DPDT	5VDC	125	125VAC/30VDC	.3A/1A	8	.80 x .33 x .40	4.15	3.90	3.71	3.54
174378	LM2-12D	Rayex	RKA5DZ12	9I	DPDT	12VDC	270	250VAC/30VDC	5A	8	1.2 x .48 x 1.0	2.49	2.25	1.95	1.75
187258	G5V-2-DC12	Omron	—	10J	DPDT	12VDC	288	125VAC/30VDC	.5A/2A	8	.81 x .40 x .45	2.85	2.50	2.20	2.00

* Manufacturer may vary

crydom

Solid State Relays



Part No.	Product No.	Control Voltage	Type	Contact Style	Contact Voltage	Contact Current	Pins	Fig.	Terminal Type	Agency Approval	Size L" x W" x H"	Pricing		
												1	10	50
467487	A0241*	4V - 10VDC	DC/AC	SPST-NO	24V - 280V	0.025A - 1A	4	1	Solder leads	UL/CSA/CE	0.95 x 0.20 x 0.50	\$8.35	\$8.09	\$7.99
467508	AS0241*	4V - 10VDC	DC/AC	SPST-NO	24V - 280V	0.025A - 1A	4	1	Solder leads	UL/CSA/CE	0.70 x 0.20 x 0.50	10.09	9.59	9.14
468156	CK240D5R**	3V - 15VDC	DC/AC	SPST-NO	12V - 280V	0.06A - 5A	4	2	Solder leads	UL/CSA/VDE/CE	1.70 x 1.00 x 0.30	12.69	11.99	11.13
468498	D2410	3V - 32VDC	DC/AC	SPST-NO	24V - 280V	10A	4	3	Screw terminal	UL/CSA/VDE/CE	1.80 x 0.90 x 2.30	34.25	32.63	31.09
468771	D2W203F*	3V - 32VDC	DC/AC	—	24V - 280V	0.06A - 2A	4	4	Solder leads	UL/CSA/CE	1.70 x 0.47 x 1.18	10.45	9.94	9.47
468789	D2W203F-11*	3V - 32VDC	DC/AC	—	24V - 280V	0.6A - 35A	4	4	Solder leads	UL/CSA/CE	1.70 x 0.47 x 1.18	11.09	10.55	10.05
480260	MCX240D5*	3V - 15VDC	DC/AC	SPST-NO	12V - 280V	0.06A - 5A	4	5	Solder leads	UL/CE	1.70 x 0.40 x 1.00	12.25	11.66	11.10
480518	PF240D25*†	3V - 15VDC	DC/AC	—	12V - 280V	0.06A - 25A	4	6	Solder leads	UL/VDE/CE	1.70 x 1.35 x 0.90	22.35	21.28	20.28
467903	CMX60D10*	3V - 10VDC	DC/DC	SPST-NO	0V - 60V	0A - 10A	4	7	Solder leads	UL	1.70 x 1.00 x 0.30	33.19	31.61	30.09
127790	D2W202F	3V - 32VDC	DC/AC	SPST	280VAC	2A	4	8	Solder lead	UL/CSA	1.70 x 0.40 x 1.30	8.05	7.84	7.32

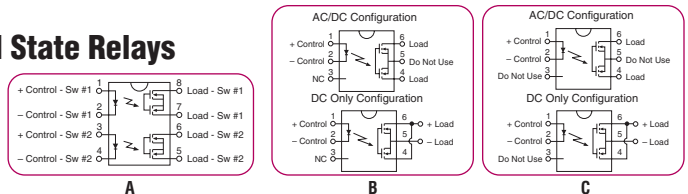
* Triac output

** Random turn-on

† SCR output

CLARE
 An IXYS Company

OptoMOS® Solid State Relays



Part No.	Product No.	Package	Description	Fig.	Load Voltage (V)	Current Handling (mA)	On-Resistance (ohms)	Isolation Voltage (Vrms)	Input Control Current (mA)	Off-State Leakage (µA)	Switching Speed (on/off) (ms)	Pricing		
												1	25	50
1582903	LAA110	DIP-8	Dual single pole, 1-Form-A	1A	350	120	35	3750	5	1	3/3	\$3.45	\$3.15	\$2.89
1582911	LAA110P	Flatpack-8	Dual single pole, 1-Form-A	2A	350	120	35	3750	5	1	3/3	4.29	3.82	3.47
1582997	LCA110	DIP-6	Single pole, 1-Form-A	1B	350	120	35	3750	2	1	3/3	1.75	1.59	1.49
1583041	LCA710	DIP-6	Single pole, 1-Form-A	1C	60	1000	0.5	3750	10	1	2.5/0.25	4.75	4.41	4.14
1583148	PAA140A	SOIC-8	Single pole, 2-Form-A	3A	400	250	8	3750	50	1	3/1	7.19	6.12	<u>4.59</u>

‡ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Solid State, General Purpose Relays & Circuit Breakers

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	GENERIC & NON-FRANCHISED	JAMECO HOUSE BRANDS	FACTORY OVERRUN

Additional Relays are available on line at www.Jameco.com/Electromechanical

DC/AC and DC/DC Solid State Relays

- Screw terminal with hardware
- Photo isolation
- Metal mounting base
- Zero crossing



164996
(Fig. 1)



153059
(Fig. 2)



162342
(Fig. 3)



192815
(Fig. 4)



176698
(Fig. 5)



176736
(Fig. 6)



187004
(Fig. 7)

Part No.	Product No.	Mfr.	Control Voltage	Type	Contact Style	Contact Voltage	Contact Current	Pins	Fig.	Terminal Type	Agency Approval	Size L" x W" x H"	Pricing				Quantity Save
													1	10	50	100	
Solid State Relays DC/AC Type																	
164988	S101S02	Sharp	1.2VDC@20mA	DC/AC	SPST	125VAC	1.5A	4	1	Solder Lead	UL/CSA	0.9 x .16 x .63	\$3.95	\$3.56	\$2.86	\$2.15	
164996	S202TA1	Sharp	1.2VDC@20mA	DC/AC	SPST	200VAC	2.0A	4	1	Solder Lead	UL/CSA	0.9 x .16 x .63	6.95	5.54	4.85	3.64	
153059	KSD203AC2	COSMO	4-32VDC	DC/AC	SPST	240VAC	3A	4	2	Solder Lead	—	1.4 x 0.3 x 0.9	10.09	9.06	8.05	7.34	
162342	ESR51024-010	Excel	3-32VDC	DC/AC	SPST	240VAC	10A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	19.15	17.27	15.55	13.99	
186992	G3NA-210B-DC5-24	Omron	5-24VDC	DC/AC	SPST	240VAC	10A	4	7	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	14.29	13.55	12.89	12.25	
187004	G3NA-220B-DC5-24	Omron	5-24VDC	DC/AC	SPST	240VAC	20A	4	7	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	18.55	16.94	16.18	14.85	
162369	ESR51024-025	Excel	3-32VDC	DC/AC	SPST	240VAC	25A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	26.35	23.75	21.35	19.27	
162406	ESR51024-040	Excel	3-32VDC	DC/AC	SPST	240VAC	40A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	27.59	24.84	22.44	20.16	
192815	KSD240AC8	COSMO	4-32VDC	DC/AC	SPST	250VAC	40A	4	4	Screw Terminal	—	1.8 x 0.6 x 2.3	24.09	21.64	19.48	17.54	
175214	KB20C02A	Kyoto	3-32VDC	DC/AC	SPST	280VAC	2A	4	5	Solder Lead	—	1.4 x 0.3 x 1.5	5.95	5.69	5.32	5.05	
176698	KB20C06A	Kyoto	3-32VDC	DC/AC	SPST	280VAC	6A	4	5	Solder Lead	—	1.4 x 0.3 x 0.9	10.89	9.80	8.71	7.84	
176719	KD20C40AX	Kyoto	3-32VDC	DC/AC	SPST	280VAC	40A	4	6	Screw Terminal	—	1.7 x 0.9 x 2.3	19.99	17.99	16.19	14.59	
176736	KD20C75AX	Kyoto	3-32VDC	DC/AC	SPST	280VAC	75A	4	6	Screw Terminal	—	1.7 x 0.9 x 2.3	39.95	35.99	32.39	29.15	
Solid State Relays DC/DC Type																	
172591	KF0602D	Kyoto	3-32VDC	DC/DC	SPST	60VDC	2A	4	5	Solder Lead	—	1.4 x 0.3 x 0.9	\$11.95	\$10.74	\$9.54	\$8.34	
175222	KF0604D	Kyoto	3-32VDC	DC/DC	SPST	60VDC	4A	4	5	Solder Lead	—	1.5 x 0.3 x 0.9	13.95	12.99	12.69	12.32	
176648	KG1005D	Kyoto	3-32VDC	DC/DC	SPST	120VDC	5A	4	6	Screw Terminal	—	2.3 x 1.7 x 0.9	26.99	24.29	21.79	19.59	
176655	KG1010D	Kyoto	3-32VDC	DC/DC	SPST	120VDC	10A	4	6	Screw Terminal	—	2.3 x 1.7 x 0.9	29.99	26.99	24.29	21.89	



Potter & Brumfield General Purpose Relays

- Industry standard termination for quick installation
- UL/CSA approved
- Wide range of coil voltages for industrial and commercial applications
- Contact arrangements from SPDT to 4PDT



Fig. 1



Fig. 2

Part No.	Product No.	Tyco No.	Fig.	Contact Form	Contact Rating	Coil Voltage	Coil Resis. (Ω)	Coil Curr. (mA)	Mating Socket*		Pricing			
									Standard	DIN Rail	1	10	25	50
282247	K10P-11A15-120	4-1393144-0	1	DPDT	15A @ 30VDC; 15A @ 120VAC	120VAC	3,900	11	27E488/489	27E895	\$7.49	\$6.77	\$6.21	\$5.90
282255	K10P-11D15-12	5-1393144-5	1	DPDT	15A @ 30VDC; 15A @ 120VAC	12VDC	160	75	27E488/489	27E895	7.25	6.70	6.15	5.80
282263	K10P-11D15-24	5-1393144-7	1	DPDT	15A @ 30VDC; 15A @ 120VAC	24VDC	650	37	27E488/489	27E895	7.35	6.78	6.22	5.91
282343	KRPA-11AG-120	2-1393104-5	2	DPDT†	10A @ 240VAC	120VAC	2,250	17.5	27E122	27E891	12.75	11.59	10.63	9.81

* For compatible sockets see page 100

† Silver-cadmium oxide, no lamp



Relay Sockets

Relay Socket for KRPA Series (Octal)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282132	27E122	DPDT	8	Standard	\$4.19	\$3.96	\$3.82	\$3.52

Relay Socket for KHAU Series

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282183	27E894	4PDT	14	DIN rail	\$7.09	\$6.71	\$6.47	\$6.15

Relay Socket for K10 Series (8-blade square)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282191	27E895	DPDT	8	DIN rail	\$4.79	\$4.53	\$4.37	\$4.16



282132



282183



282191



Circuit Breakers

- Quick connect style terminals
- Actuator: black plastic button
- Mounting hole: 0.450"
- Included hardware: nut, knurled nut, ID plate

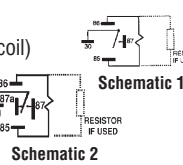


Part No.	Prod. No.	Current Rating (A@VAC)	Pricing			
			1	10	50	100
621376	35-2105	5 @ 125/250	\$4.75	\$3.69	\$3.49	\$3.29
621413	35-2110	10 @ 125/250	4.75	3.69	3.49	3.29
621430	35-2115	15 @ 125/250	3.25	3.05	2.90	2.75
621448	35-2120	20 @ 125/250	4.75	3.69	3.49	3.29

Potter & Brumfield Equivalent Plastic Enclosed Construction Relays

VF4 Type

- Dielectric strength: 500VDC (between contact & coil)
- Operating temperature: -35°C to +85°C
- Contact current: 40A • Coil voltage: 12VDC
- Terminal type: quick connect
- Normally open (NO), normally closed (NC)
- Dimensions: 1.1"L x 1.1"W x 1.0"H



171460
(Fig. 1)



171442
(Fig. 2)



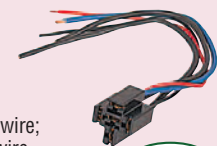
171433
(Fig. 3)

Part No.	Cross Ref. No.	P&B Cross Ref. No.	Fig.	Contact Form	Coil Ohms	Contact Schematic	Coil Voltage	Pins	Pricing			
									1	10	50	100
171460	LD1A-12F	VF4-81F1S01	1	SPST-NO	78	1	14VDC	4	\$2.29	\$2.11	\$1.87	\$1.55
171442	961A-1A12D	VF4-11F11	2	SPST-NO	90	1	14VDC	4	2.69	2.53	2.46	2.40
148583	LD12F	VF4-85F11	3	SPDT	78	2	12VDC	5	2.65	2.38	1.90	1.43
171433	961A-1C-12DM	VF4-81F11	3	SPDT	90	2	12VDC	5	2.99	2.69	2.16	1.62

Relay Socket with Coil Diode

VF4 Type

- 7.5" wire
- Diode coil suppression
- Contact voltage: 12V
- Contact current: 20A
- 12 AWG: 2 black & 1 blue wire; 18 AWG: 1 black & 1 red wire
- Use with P/N 148583, left



Part No.	Cross Ref. No.	1	10	50	100
170624	RSD03	\$2.35	\$2.12	\$1.69	\$1.27

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Relays are available on line at www.Jameco.com/Electromechanical

JAMECO ValuePro **General Purpose Relays** **JAMECO EXCLUSIVE**

LB2 Series

- DPDT • 8-pin
- Contact rating: 240VAC/30VDC @ 12A
- Mechanical life: 10,000,000 operations
- Electrical life: 100,000 operations min. at rated load

Part No.	Mfg. P/N	P & B Cross Ref.	Coil Voltage	1	10	50	100
172719	LB2-12DS	K10-11D15-12	12VDC	\$5.39	\$4.85	\$4.31	\$3.88
175565	LB2-24DS	K10-11D15-24	24VDC	6.49	5.93	5.32	4.85
175572	LB2-110AS	K10-11A15-120	110VAC	6.89	6.43	5.96	4.71

LB4H Series

- Insulation resistance: 1,500MΩ @ 500VDC
- Mechanical life: 10,000,000 operations
- 4PDT • 14-pin
- Contact rating: 240VAC/30VDC @ 5A
- Electrical life: 100,000 operations min. at rated load

Part No.	Mfg. P/N	P & B Cross Ref.	Coil Voltage	1	10	25	50
291507	LB4H-12DS	KHAU-17D12-12	12VDC	\$4.45	\$4.33	\$4.20	\$4.03
175602	LB4H-24DS	KHAU-17D12-24	24VDC	5.09	4.93	4.77	4.36
175610	LB4H-110AS	KHAU-17A12-120	110VAC	5.79	5.38	4.97	4.62

Relay Sockets

- DIN rail snap socket for LB2 & LB4H relays

Part No.	Mfg. P/N	P & B Cross Ref.	Pins	1	10	50
175531	PTF-08A-A	27E895	8	\$6.65	\$5.98	\$5.38
175556	PVF-14A-A	27E894	14	4.75	4.02	3.02

Input/Output Module Relay

- Switch form: SPST-NO
- Isolation: 4,000V_{RMS}, 60Hz
- Capacitance: 8pF typical (input to output)
- Color: red

NEW MARKED IN PINK

Part No.	Prod. No.	Voltage	Resistance	1	10	25	50
282511	ODC-5	5VDC	220Ω	\$10.65	\$9.29	\$9.25	\$9.23

CHERRY **Commercial Grade Gear Tooth Speed Sensor**

Hall-Effect w/ Adjustable Aluminum Housing

- Operating voltage range: 4.5-24VDC
- Reverse battery protection from 24VDC
- Supply current: 6mA max.
- Barrel length: 1.0"
- Output voltage: 400mV max.
- Thread: 15/32" - 32
- Output current: 25mA max.
- Wire: 20AWG x 1m
- Oper. temp. range: -40°C to 125°C • Output: sink

Part No.	Product No.	1	10	25
512401	GS100701	\$24.95	\$21.11	\$18.47

CHERRY **Reed-Based Magnetic Proximity Sensor**

- Hermetically sealed contacts
- Zero power consumption
- Suitable for AC/DC circuits
- Contact resistance: 0.2Ω max.
- Breakdown voltage: 200VDC min.
- Operating temp. range: -40°C to 105°C
- Max. switching voltage: 175VDC @ 0.5A
- Typical op. time: 0.6ms • SPST NO

NEW MARKED IN PINK

Part No.	Product No.	Description	1	10	25
513359	MP201901	10-Watt	\$2.85	\$2.66	\$2.53

Inductive Proximity Switch Sensors

Cylindrical and Square Styles

- Operating voltage range: 10-30VDC
- Nominal operating voltage: 12VDC
- Normally open output
- Switching frequency: 1.5kHz
- Current consumption: 10mA max.
- Sensing target: inductive type - magnetic metal
- Fast response
- 6' long cable
- Pre-tinned pigtail
- Short circuit protected
- LED status indicator
- Sensing distance: ±10% (tin)

Part No.	Product No.	Output Circuit	Eftec. Dist. (Iron)	Standard Target (Iron) (mm)	Size (L" x Dia.)	Mounting Hole (in.)	Pricing		
							1	10	25
155547	S18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.4"Lx1.4"Wx0.7"H	0.112	\$10.99	\$9.99	\$8.99
167020	TS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	20.65	18.61	16.75
248858	TS12-02P-1	PNP	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	22.69	20.40	18.13
421201	TS12-05N-1	NPN	0-4.0mm	12 x 12 x 1	2.5" x 0.80"	0.66	26.19	22.28	16.72

Magnetic Proximity Switch Sensor

- Contact rating: 3W max. @ 30VDC or 0.3A max. @ 30VAC
- Contact form: SPST NO
- Contact resistance: 100mΩ max. initial
- Operating temp.: -40°C to 100°C
- Mechanical & electrical life: 10 million operations
- Housing/spacer/cover: ABS plastic (UL94V-0), white
- Reed switch: rhodium coated, hermetically sealed, nitrogen filled glass capsule
- Wire leads: UL1060 22AWG stranded wire, stripped, 12"L white
- Adhesive mounting: (MPS45WGW only) - foam backed, pressure sensitive
- Potting: epoxy
- Dielectric strength: 200VDC min.

Part No.	Product No.	Description	1	10	100
588131	MPS45WGW	Subminiature surface mount, side exit leads, 1" make gap	\$8.35	\$7.63	\$7.00

General Purpose Relays

Pin Type Terminals • DPDT

- 8-pin octal style plug
- Size: 1.4"L x 1.4"W x 2.7"H
- Contact rating: 120/240VAC, 28VDC @ 10A
- Ambient oper. temp.: -10°C to +50°C

BTA1 Series Relays

Part No.	Product No.	NTE Cross Ref.	Coil Voltage	1	10	50
139766	BTA1-2C-12VDC	R02-11D10-12	12VDC	\$11.79	\$11.56	\$8.67

Socket for BTA1 Series (250 VAC, 20 Amps)

Part No.	Product No.	Pins	Dimensions	1	10	50
141145	PF-083A	8	2.0"L x 1.6"W x 0.8"H	\$4.39	\$3.72	\$2.79

Bistable, Impulse Relay

- Low cost, bistable impulse relay
- Used in garage door controls, motor reversing & lighting controls
- Initial breakdown voltage: 1,500Vrms, 60Hz
- Contact rating: 15A @ 125/250VAC; 5A @ 125VAC tungsten filament lamp load; 500mA @ 125VDC; 250mA @ 250VDC
- Expected life: 100,000 operations mechanical; 50,000 operations @ rated load
- Nominal power DC coils: 6.33Watts
- Nominal power: 9.0 VAC
- Operates on 75ms min. pulse
- Nominal voltage: 120V
- Resistance DC: 260Ω
- Nominal current: 75mA
- Coil terminal style: 0.250" (6.35mm) quick connect/solder
- Switch terminal style: 0.250" (6.35mm) quick connect

Part No.	Product No.	Description	1	25
552833	S89R11ABD1-120	DPDT AC input	\$49.79	\$47.28

Flex Sensor

- Max. resistance: 30kΩ to 40kΩ, proportional to the degree of flexing or bending
- Applications: virtual reality data gloves, robotic, bio-metric, physics and engineering

Part No.	Description	Nominal Resistance	1	10
150551	Flex sensor	10Ω	\$12.89	\$11.65

Jameco's Got The Docs

We offer free technical documents for most of the products we carry.
 Find them easily on the product spec pages at www.Jameco.com

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

Additional Sensors are available on line at www.Jameco.com/Electromechanical



Magnetic Proximity Sensor

- Omnipolar, magnetically activated switch
- Can be approached by any magnet from any angle with either pole
- Hermetically sealed
- Contact resistance: 0.2Ω max.
- Zero power consumption
- Breakdown voltage: 200VDC min.
- Operating temp. range: -40°C to 105°C

Cylindrical Plastic Housing

- Resistant to dirt and moisture

Part No.	Product No.	Contact Form	Power (W)	Switching volt. Max. (VDC)	Switching Curr. Max. (A)	Op. Time Typical (ms)	Pricing		
							1	10	25
513308	MP201701	SPST NO	10	175	0.5	0.5	\$3.15	\$2.75	\$2.29



Pressure Sensor

- Measurable pressure range: -1.1 to 2.5 PSI
- Operating volt.: 5V @ <10mA
- Maximum excitation voltage: 8V
- 1/8" diameter tubing is applicable
- Pressure media: non-corrosive gas
- Pre-calibration of offset volt. & span
- Maximum load pressure: twice rated pressure
- On-chip amplification and temp. compensations
- Volt-level output
- Size: .55"L x .47"W x .20"H



Part No.	Product No.	1	10	100
196103	XFPN-025-KPGRNW1	\$24.95	\$19.95	\$16.95



HIH-4000 Series Humidity Sensor

- Linear volt. output vs %RH
- Op. temp.: -40°C to 85°C
- Accuracy (best fit straight line): ±3.5% RH
- Current supply: 500μA max.
- Direct input to a controller or other device is made possible by this sensor's linear voltage output
- 3-pin SIP
- High accuracy
- Volt. supply: 4VDC to 5.8VDC
- Designed specifically for high volume OEM

Part No.	Product No.	Description	1	10	100
1860248	HIH-4000-003	0.10" lead pitch SIP w/ calibration & data printout	\$28.55	\$22.82	\$21.68



Pressure Sensor

- Typical full scale span @ 35mV: 0-10kPa (0-1.45 PSI)
- 1/8" diameter tubing applicable
- Operating volt. (typical): 3VDC @ 6mA
- Size: 0.7"Dia. x 0.78"Thick (with nozzle)
- Max. pressure (P_{MAX}): 75kPa (10.875 PSI)
- Applications: air movement control, level indicators, leak detection, robotics and industrial controls



Part No.	Product No.	1	10	100
218827	MPX10GS	\$8.95	\$7.49	\$5.95



Optical Sensor

The APDS-9002 is a low-cost analog output ambient light photo sensor in a miniature chip LED lead-free surface mount package. It consists of a spectrally suited phototransistor, which peaks in human luminosity curve.

- Supply voltage: 2.4V to 5.5V
- Oper. temp.: -40°C to 85°C
- Dark current: 50mA
- Fall time: 0.8 ms
- Rise time: 0.95 ms
- Light current ratio: 1:2



Part No.	Product No.	1	10	100
1548511	APDS-9002-021	\$58	\$56	\$54

Honeywell Temperature Sensors visit www.Jameco.com

Honeywell Pressure Sensors visit www.Jameco.com

Honeywell Digital Position Sensors visit www.Jameco.com

Ultrasonic Sensor Sets

- Use for motion or distance sensing
- Frequency: 40kHz ±1.0kHz
- Aluminum case

136654: Transmit/Receive Set

- Capacitance: 2000pF ±30%
- Transmitter: bandwidth 4.0kHz @ 112dB, sound pressure level 119dB @ 40±1.0kHz
- Receiver: bandwidth 3.5kHz @ -71dB, min. sensitivity 65dB @ 40±1.0kHz (R=3.9kΩ)
- Lead length/spacing: 0.39"

139492: Transmit/Receive Set

- Capacitance: 2000pF ±20%
- Transmitter: bandwidth 5.0kHz @ 100dB, sound pressure level 112dB @ 40 ±1.0kHz
- Receiver: bandwidth 5.0kHz @ -75dB, min. sensitivity 67dB @ 40 ±1.0kHz (R=3.9kΩ)
- Lead length/spacing: 0.28"

Part No.	Cross Ref.	Case Size	1	10	50
136654	40TR16F	0.47"H x 0.62"Dia.	\$7.95	\$6.75	\$5.07
139492	40TR12B	0.30"H x 0.43" Dia.	7.69	6.96	6.26



1.2" (30mm) PCB Mountable Speaker

- Ideal for PC board mounting
- Impedance: 8Ω
- Frequency range: 700 – 5000Hz
- Pin spacing: 15mm
- Mylar diaphragm
- Nominal input: 0.15W; max. input: 0.2W
- Output SPL: 82 dB
- Dimensions: 1.2"Dia. x 0.5"D

Part No.	Cross Ref. No.	Description	1	10	100
135722	PCM415	Solder leads	\$1.95	\$1.75	\$1.34



Flat Element, Square Piezoelectric Speakers

- Excellent for alarms or other voice uses
- Stainless steel diaphragm

Part No.	Mfg. P/N	Dimensions (Dia. x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Element Size (Dia. x H")	Pricing		
			Nom (W)	Max (W)					1	10	100
34025	GSP02-R	1.2 x 0.2	0.4	0.8	8	70	1300 – 8000	1.2 x 0.1	\$2.05	\$1.84	\$1.38
76030	AZ40S	1.6 x 0.2	0.4	0.8	8	70	600 – 6000	1.6 x 0.1	1.95	1.75	1.49
673766	AZ50S	1.9 x 0.2	0.4	0.8	8	70	500 – 6000	1.9 x 0.1	1.95	1.75	1.25



34025 Side

34025 Back

Alnico Speakers

- For computer case use
- Paper diaphragm
- Wide frequency response
- Pre-tinned solder lugs
- Large magnet
- Impedance: 8Ω

Part No.	Mfg. P/N	Fig.	Dimensions (Dia. x D")	Input		Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. x H")	Pricing		
				Nom (W)	Max (W)				1	10	100
88411	A0200	1	2.0 x 0.8	0.2	0.4	87	430 – 4500	0.5 x 0.4	\$1.69	\$1.44	\$1.08
684730	A0202C	1	2.6 x 0.9	0.5	1.0	88	350 – 5000	0.9 x 0.5	1.89	1.69	1.49
135765	RA2425	1	2.2 x 0.8	0.25	0.5	87	400 – 4000	0.5 x 0.4	1.89	1.69	1.52
111587	B0102	2	1.7 x 0.6	0.1	0.3	83	500 – 5500	0.5 x 0.4	2.29	1.86	1.53
135812	A1527C02	3	1.6 x 2.8 x 1.2	2.0	5.0	82	450 – 20000	0.5 x 0.5	3.65	3.09	2.79

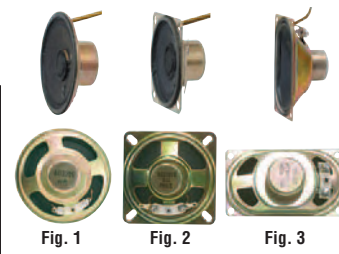


Fig. 1

Fig. 2

Fig. 3

Micro Speakers

Part No.	Mfg. P/N	Dimensions (Dia. x D")	Input		Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. x H")	Pricing		
			Nom (W)	Max (W)				1	10	100
355514	GC0201M	1.70 x 0.38	0.1	0.2	78	500 – 20000	0.26 x 0.06	\$1.39	\$1.09	\$0.79
355522	GF0271M	1.06 x 0.30	0.1	0.2	82	500 – 20000	0.49 x 0.15	1.25	.99	.75



Front 355514

Back 355514

Side 355522

⚡ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

♻️ RoHS compliant product ⚡ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

Additional Speakers & Buzzers are available on line at www.Jameco.com/Electromechanical

Round Ferrite Speakers

- Pre-tinned speaker lugs
- Large magnet
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm

For speaker wire, see page 57

Part No.	Mfg. P/N	Dimensions (Dia. " x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
			Nom (W)	Max (W)					1	10	100
135589	FE200	2.0 x 0.7	0.2	0.4	8	83	420 – 5000	1.3 x 0.4	\$1.85	\$1.55	\$1.41
10840	FE201	2.2 x 0.7	0.2	0.4	8	88	400 – 4500	1.3 x 0.4	1.59	1.43	1.07



135589 Side



135589 Back

Square Ferrite Speakers

- Pre-tinned speaker lugs
- Large magnet
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm

Part No.	Mfg. P/N	Dimensions (Dia. " x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
			Nom (W)	Max (W)					1	10	100
135693	FEB200	2.0 x 0.7	0.2	0.3	8	82	500 – 6000	1.3 x 0.5	\$1.65	\$1.48	\$1.32
31959	FEB216	2.6 x 0.8	0.2	0.4	16	85	330 – 8000	1.3 x 0.5	2.69	2.39	2.15
99996	FEB204	2.6 x 0.9	3.0	4.0	4	95	300 – 14000	1.8 x 0.5	2.55	2.28	2.02



99996 Side



99996 Back

JAMECO ValuePro

Sonic Transducers and Buzzers

NEW
MARKED IN PINK

QUANTITY
SAVE

Magnetic Transducers • Applied voltage: 1/2 duty, square wave

Part No.	Cross Ref. No.	Fig.	Operating Volt. (Vp-p/mA)	Volt. Range (Vp-p)	Freq. (Hz)	Sound (dB)	Dimensions	Pricing			
								1	10	100	1000
207917	DB105GFPN	1	1.5/30	1 – 2	2048	75	.22"H x .47"Dia.	\$1.59	\$1.43	\$1.14	\$0.86
138722	DB111A-PN	2	1.5/10	1 – 2	2048	80	.32"H x .46"Dia.	1.55	1.39	1.12	.84
138740	DBX05-PN	2	5/40	3 – 8	2400	85	.35"H x .46"Dia.	1.49	1.34	1.07	.80
106500	SBT-1205	2	5/40	3 – 8	2400	85	.40"H x .48"Dia.	1.49	1.34	1.07	.80

Great Prices on Factory Overruns from Other Manufacturers

1537408	QMB-01	3	1.5/15	—	2048	80	.53"H x .63"Dia.	\$1.25	\$0.99	\$0.79	\$0.65
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Magnetic Buzzers

76065	TDB05-PN	4	5/30	4 – 7	2300	85	.35"H x .46"Dia.	\$2.99	\$2.79	\$2.69	\$2.59
207976	TDB12	4	12/30	8 – 15	2300	85	.47"H x .38"Dia.	2.35	2.18	1.85	1.75

Piezo Buzzers

336276	PT-1250W	5	3/1.5	2 – 5	4000	85	13mm H x 30mm Dia.	\$1.89	\$1.65	\$1.49	\$1.25
335986	PK-27A25PS	6	12/10	3 – 24	2500	95	16mm H x 30mm Dia.	1.95	1.55	1.35	1.29
335513	MAS800S	7	12/50	9 – 12	2800	103	15.2mm H x 26mm Dia.	4.95	4.45	3.95	3.55
123538	11D3240	8*	24/20	4 – 28	2900	80	1.4"H x 1.7"Dia.	4.19	3.79	3.65	3.49
336989	SC616N	9	6-16/6-22	6 – 16	2900	95	1.28"H x 1.69"Dia	13.65	12.29	9.83	7.37
335557	MSR320	10	3-20/3-16	3 – 20	3400	80	.39"H x .91"Dia	2.55	2.30	1.84	1.38
335951	PK-21A31P	11	12/18	3 – 24	3000	85	13.5mm H x 24mm Dia.	1.95	1.75	1.55	1.35
76021	7S3240-LA	14	24/20	1.5 – 28	3200	95	1.0"H x 1.1"Dia	6.49	6.10	5.84	4.38
336049	PK-27N36W	12	12/15	3 – 28	3500	90	10mm H x 30mm Dia.	2.95	2.45	2.25	1.95
335695	PF-20A35EW	11	12/10	3 – 28	3500	95	25mm H x 28mm Dia	4.29	3.66	3.36	3.09
336314	PT-2038FW	13	12/8	3 – 28	3800	85	4.5mm H x 24mm Dia.	1.38	1.24	1.00	.75
138712	32S4120-PN	4	12/7	3 – 16	4000	80	.30"H x .54"Dia.	3.45	2.95	2.70	2.50
335855	PK-12N40P	6	12/10	3 – 15	4100	83	8mm H x 14mm Dia.	3.95	3.56	2.85	2.14

Great Prices on Factory Overruns from Other Manufacturers

196357	AI-175	4	12/5.8	3 – 16	4000	86	.30"H x .54"Dia.	\$2.95	\$2.49	\$1.95	\$1.25
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* Dual tone C = Continuous tone F = Fast pulse

Piezo Siren

336225	PS-562	12	12/40	5 – 15	2500/3500	100	16mm H x 42mm Dia.	\$6.05	\$5.45	\$4.36	\$3.27
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Mechanical/Electromechanical Buzzers

335370	AST200	15	3/80	2 – 5	2731	85	8.7 sq. x 4.2 H	\$2.95	\$2.55	\$2.25	\$1.95
335441	AST800	15	3	2 – 4.5	3200	87	11 W x 14 D x 3.5 H (mm)	3.25	2.95	2.55	2.25
24871	63S109LA	16	9/30	6 – 12	400	75	1.3"L x 0.7"W x 0.6"H	2.49	2.19	1.99	1.79
140695	63S1120-LA	16	12/25	9 – 15	400	75	1.3"L x 0.7"W x 0.6"H	2.09	1.86	1.47	1.31

Omni-directional Electret Condenser Microphone Cartridges

- Modems for computers
- Used for recording, testing, and monitoring

Applications: Tape recorders, intercoms, hearing aids, telephone and answering devices, sonic controlled toys and sensors

Part No.	Type	Sensitivity	Frequency (Hz)	Max. Op. Volt.	Stand Op. Volt.	Max. Current	Sensitivity Reduction	S/N Ratio	Impedance	Terminals	Size (H x Dia.)	Pricing			
												1	10	100	1000
160979	WM-64PKT	-44 ±3dB	20-16,000	10VDC	2.0VDC	0.5mA	-3dB @ 1.5V	>58dB	>2.2kΩ	PC pin leads	.10" x .24"	\$0.75	\$0.65	\$0.55	\$0.45
136574	WM-60PC	-54 ±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3dB @ 3V	>40dB	>2.2kΩ	PC pin leads	.30" x .38"	.59	.54	.49	.44
320179	EM-99	-64 ±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3dB @ 3V	>40dB	>2.2kΩ	PC pin leads	.27" x .39"	1.49	1.25	.99	.81



160979



136574 & 320179

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Hardware is available on line at www.Jameco.com/Electromechanical

JAMECO
ValuePro

Black Instrumentation Knobs (1/4" Shaft Diameters)

JAMECO
EXCLUSIVE

• Set screw for secure attachment

• RN-112A/113A/114A: numeric dial type

Part No.	Cross Ref. No.	Body Color	Pointer Color	Size (H" x Dia.)	1	10	100
264998							
265009							
264920							
264955							
264990							
264883							
264892							
102788							
104176							
202287							
136241							
138393							

Part No.	Cross Ref. No.	Body Color	Pointer Color	Size (H" x Dia.)	1	10	100
264998	JK-902A	Black	White	.69 x 1.31	\$.89	\$.67	\$.62
265009	JK-902B	Black	White	.60 x .95	.59	.55	.51
264920	JK-901A	Black/alum	White	.79 x 1.77	1.29	1.09	1.00
264955	JK-901C	Black/alum	White	.61 x 1.06	.79	.62	.56
264990	JK-901D	Black/alum	White	.47 x .78	.87	.73	.61
264883	RN-112A	Black/alum	Numeric	.90 x 1.46	.98	.84	.63

Part No.	Cross Ref. No.	Body Color	Pointer Color	Size (H" x Dia.)	1	10	100
264892	RN-113A	Black/alum	Numeric	.70 x 1.15	\$1.05	\$.89	\$.80
102788	JK-903C	Black	White	.54 x 1.25	.64	.41	.39
104176	JK-902C	Black	White	.49 x .75	1.04	1.01	1.00
202287	CP-Z1-M-S	Black/alum	White	.60 x .80	.79	.60	.54
136241	GKB-214	Black/alum	White	.52 x .54	.78	.66	.59
138393	41108-1	Black/alum	White	.56 x .85	.99	.75	.69

JAMECO
ValuePro

Color Instrumentation Knobs (1/4" Shaft Diameters)

- JK-907 series: pressure fit type, top set screw; JK-905 series: side set screw
- CR-MS series for knurled shaft
- All photos on www.Jameco.com



Part No.	Cross Ref. No.	Body	Pointer	H" x Dia."	Fig.	1	10	100
264823	CPBTAA191AS6.4BK	Black/black	White	.79 x .77	—	\$.99	\$.84	\$.63
265051	JK-905A	Black/red	White	.58 x .57	1	.99	.89	.79
265077	JK-905C	Black/blue	White	.58 x .57	1	.98	.84	.63
265018	JK-904A	Black/red	White	.47 x .78	2	.88	.75	.56
265261	CR-MS-5C5-T18	Grey	Grey	.68 x .51	3	.69	.60	.45
265228	CR-MS-1C5-T18	Grey	Red	.68 x .51	3	.74	.66	.495

* For use with 1/4" knurled shaft

JAMECO
ValuePro

Aluminum Instrumentation Knobs (1/8" and 1/4" Shaft Diameters)

- Includes: Set screw for secure attachment
- 290125: Coarse surface for sensitive control; 1/8" shaft dia.



Part No.	Cross Ref. No.	Fig.	Shaft Size	Body Color	Pointer Color	Size (H" x Dia.)	1	10	100
290125	42008-1	1	1/8"	Silver	Silver	.500 x .625	\$1.99	\$1.79	\$1.61
162481	K5-1/4S	2	1/4"	Chrome	Silver	.500 x .560	1.49	1.37	1.03
162499	K5-1/4B	3	1/4"	Black	White	.500 x .560	1.85	1.59	1.19
138482	KN031	4	1/4"	Alum.	Black	.610 x .650	1.95	1.76	1.55
138502	KN032	4	1/4"	Alum.	Black	.870 x .750	2.35	2.05	1.85
138511	KN033	4	1/4"	Alum.	Black	1.18 x .870	2.35	2.17	1.99

KEYSTONE

Hardware

4-40 Mounting Bracket

- Material: zinc plated

Part No.	Product No.	Description	Size (H"xL"xW")	1	10	100
1581530	621	L-type, steel	.343 x .375 x .250	\$.349	\$.332	\$.196

Nylon Shoulder Washers/Bushing

- Nylon 6/6
- Minimum order 10 pieces

Part No.	Product No.	Screw Size	Diameter	10	100	500
1581804	3049	4	.218"	\$.079	\$.039	\$.034

4-40 Force-Fit Threaded

- Stainless steel
- .166" mounting hole

Part No.	Product No.	Description	Diameter	1	10	100	500
1581898	4861	Round, .065"L	.218"	\$.89	\$.80	\$.72	\$.65

KEYSTONE

Terminal Turret

- Material: brass, bright tin plated
- Mounting hole: .078" dia.
- * Minimum order 10 pieces

Part No.	Product No.	Description	Size	1	10	100
1582410	1520-2	Single	.187"L x .109" PCB thickness	* \$1.12	* \$1.08	

Hardware and Spacer Assortment Kit

Includes 2300 pcs. (23 types) Spacers, Nuts, Flat, Tooth & Lock Washers and Slotted PH Screws

100 each	100 each	100 each	100 each	100 each	100 each
Spacers	Hex nuts	Flat	Int. tooth	Split lock	PH machine screws
—	2-56	—	—	#2	2-56 x 1/4, —
4-40	4-40	#4	#4	#4	4-40 x 1/4, 1/2
6-32	6-32	#6	#6	#6	6-32 x 1/4, 1/2
8-32	8-32	#8	#8	#8	8-32 x 1/2, —
Part No.	Description	Wt. (lbs.)	1	10	100
108433	2300 pcs. Hardware kit	7.5	\$69.19	\$65.75	

SAVE \$39

PCB Standoff Mounting Hardware

- Snap "on"
- Nylon

Part No.	Cross Ref. No.	Dimensions	Holes	1	10	100	1000
129252	PCST2	0.9"L x 0.4"Dia.	0.2"/0.3"	\$.21	\$.18	\$.12	\$.09

RAF Electronic Hardware

Thumbscrews

Washer-Face Aluminum

Washer-Face

Part No.	Product No.	Thread	Thread Length	Length	1	10	100	1000
393976	7100-A	4-40	5/16"	5/8"	\$1.55	\$1.47	\$1.40	\$1.33
394004	7106-A	8-32	3/8"	11/16"	2.49	2.15	1.80	1.71

Plain Aluminum

Part No.	Product No.	Thread	Thread Length	Length	1	10	100	1000
394063	7125-A	6-32	3/8"	9/16"	\$1.75	\$1.41	\$1.27	\$.95

RAF Electronic Hardware

Aluminum Round Spacers

- Iridite clear finish
- Length: .250" • Blue Part No. = Limited Quantity Available

Part No.	Product No.	Description	1	10	100	1000
393115	1128-4-A-7	1/4" OD, #4 ID (0.115")	\$.30	\$.242	\$.23	\$.173
393319	1128-6-A-7	1/4" OD, #6 ID (0.140")	.27	.242	.21	.158

KEYSTONE

For Keystone Spacers visit www.Jameco.com Keyword: Keystone

KEYSTONE

For Keystone Lugs visit www.Jameco.com Keyword: Keystone

KEYSTONE

For Keystone Instrumentation Handles visit www.Jameco.com Keyword: Keystone

RAF Electronic Hardware

3" Instrumentation Handle

- 32 threads
- Oval diameter: 5/8"
- Material: brass, nickel plate

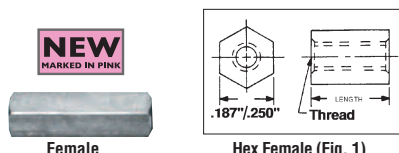
Part No.	Size (L" x H" x T")	1	10	100
216821	3.0 x 1.3 x 0.3	\$2.49	\$1.95	\$1.25

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Hardware is available online at www.Jameco.com/Electromechanical

.187"/.250" Aluminum, Brass & Steel Hex Threaded Standoffs

† Finish: Iridite (clear); ¹ per MIL-C-5541-D; ² bright tin plate; ³ stainless steel; ⁴ brass (plain); ⁵ zinc clear chromate



Female Hex Female (Fig. 1)

.187"/.250" Hex Female Standoffs

.187" Hex 4-40 Thread (Fig. 1) • 5 piece multiple

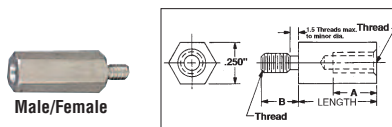
Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
175636	Brass ²	.187"	\$.19	\$.15	\$.10
102795	Brass ²	.250"	.25	.15	.12
133613	Alum ¹	.250"	.29	.17	.14
133640	Alum ¹	.500"	.35	.23	.17
139185	Alum ¹	1.000"	.49	.35	.29

.250" Hex 4-40 Thread (Fig. 1) • 5 piece multiple

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
139193	Alum ¹	.250"	\$.29	\$.16	\$.13
1944353	Brass ⁴	.250"	.39	.25	.19
77501	Alum ¹	.375"	.29	.17	.13
393693	Brass ⁵	.375"	.45	.29	.19
134763	Alum ¹	.437"	.35	.19	.15
108371	Alum ¹	.500"	.39	.21	.17
393714	Brass ⁵	.500"	.55	.29	.25
77519	Alum ¹	.625"	.43	.25	.19
133605	Alum ¹	.750"	.39	.21	.19
1944370	Brass ⁴	.750"	.49	.35	.29
393731	Brass ⁵	.750"	.79	.49	.39
139206	Alum ¹	1.000"	.45	.25	.21
393749	Brass ⁵	1.000"	.79	.59	.45

.250" Hex 6-32 Thread (Fig. 1) • 5 piece multiple

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
77535	Alum ¹	.250"	\$.25	\$.15	\$.12
1582398	Brass ⁴	.250"	.25	.19	.12
133592	Alum ¹	.375"	.29	.17	.14
1582400	Brass ⁴	.375"	.29	.25	.17
77543	Alum ¹	.500"	.35	.19	.15
393772	Brass ⁵	.500"	.49	.29	.25
77552	Alum ¹	.625"	.39	.23	.17
77570	Alum ¹	.750"	.39	.23	.17
77578	Alum ¹	1.000"	.45	.29	.25
1944388	Brass ⁴	1.000"	.39	.29	.25
143408	Alum ¹	1.500"	.65	.49	.39
393811	Brass ⁵	1.500"	.79	.59	.49
143441	Alum ¹	1.750"	.69	.55	.45



Male/Female

Hex Male/Female (Fig. 2)

.187"/.250" Hex Male/Female Standoffs

.187" Hex 4-40 Thread (Fig. 2) (A: .250"; B: .187") • 5 piece multiple

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
393458	Alum ¹	.250"	\$.298	\$.283	\$.269
393474	Alum ¹	.500"	.42	.358	.294
393503	Alum ¹	1.000"	.39	.29	.25

.187" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250") • 5 piece multiple

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
393554	Alum ¹	.500"	\$.35	\$.25	\$.19
393588	Alum ¹	1.000"	.39	.29	.25

.250" Hex 4-40 Thread (Fig. 2) (A: .250"; B: .187") • 5 piece multiple

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
77586	Alum ¹	.250"	\$.29	\$.21	\$.18
1582330	Brass ⁵	.250"	.49	.25	.19
77593	Alum ¹	.375"	.25	.19	.17
393845	Brass ⁵	.375"	.59	.39	.35
111756	Alum ¹	.500"	.39	.29	.23
139214	Alum ¹	.625"	.39	.29	.23
139222	Alum ¹	.750"	.45	.35	.25
139231	Alum ¹	1.000"	.49	.39	.29
128566	Alum ¹	1.250"	.59	.49	.39
166546	Alum ¹	1.500"	.69	.59	.49

.250" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250") • 5 piece multiple

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
133542	Alum ¹	.250"	\$.39	\$.25	\$.19
133568	Alum ¹	.375"	.39	.25	.19
77607	Alum ¹	.500"	.45	.27	.21
77623	Alum ¹	.750"	.49	.31	.25
77650	Alum ¹	1.000"	.59	.49	.35
206623	Steel ³	1.250"	1.25	.99	.75

For Additional Hardware visit
www.Jameco.com

.250" Round Threaded Standoffs

• Aluminum or Brass

† Finish: Iridite (clear);
¹ per MIL-C-5541-D; ² brass (plain)



.250" Round 4-40 Thread Female • 5 piece multiple

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
1945102	Alum ¹	.250"	\$.39	\$.22	\$.19
1944468	Brass ²	.250"	.39	.22	.19
1944530	Alum ¹	.375"	.29	.17	.15
1944564	Alum ¹	.500"	.35	.19	.17
1944476	Brass ²	.500"	.55	.29	.25
1945129	Alum ¹	.750"	.45	.23	.19
1944484	Brass ²	.750"	.79	.49	.39
1944599	Alum ¹	1.000"	.69	.35	.29

.250" Round 6-32 Thread Female • 5 piece multiple

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
1944610	Alum ¹	.250"	\$.29	\$.17	\$.14
1944492	Brass ²	.250"	.29	.15	.13
1944628	Alum ¹	.375"	.29	.17	.15
1944505	Brass ²	.375"	.35	.19	.17
1945145	Alum ¹	.500"	.35	.19	.17
1944521	Brass ²	.500"	.49	.27	.24
1944644	Alum ¹	.750"	.45	.23	.19
1944652	Alum ¹	1.000"	.65	.35	.29

SAE Hardware

• Zinc-plated steel



Slotted Pan Head Machine Screws

Part Number	Screw Size	Thread	Length (inches)	100 piece multiple	
				100	1000
40952	4-40	Std	.250	\$.021	\$.013
40970	4-40	Std	.375	.018	.015
106810	4-40	Std	.500	.043	.031
106543	6-32	Std	.250	.018	.013
42446	6-32	Std	.375	.019	.014
106797	8-32	Std	.500	.07	.039

Hex Nuts

Part Number	Screw Size	Thread	Length (inches)	100 piece multiple	
				100	1000
38165	2-56	Std	.183	\$.024	\$.016
40943	4-40	Std	.243	.027	.014
42420	6-32	Std	.306	.021	.017

Flat Washers

Part Number	Screw Size	Thread	Length (inches)	100 piece multiple	
				100	1000
211131	4	—	.237	\$.025	\$.015
106826	4	—	.281	.034	.023
106833	6	—	.373	.025	.023

Internal Tooth Lock Washers

Part Number	Screw Size	Thread	Length (inches)	100 piece multiple	
				100	1000
106850	4	—	.258	\$.007	\$.005
106868	6	—	.277	.018	.014

Split Lock Washers

Part Number	Screw Size	Thread	Length (inches)	100 piece multiple	
				100	1000
106788	2	—	.161	\$.024	\$.016
211140	4	—	.201	.031	.021
40977	4	—	.242	.02	.015
42463	6	—	.240	.018	.014

Committed to You

We're committed to providing you
 with the best service in the industry.

3M

Adhesive Rubber Feet



Fig. 1



Fig. 2



Fig. 3



Fig. 4

These durable, pressure sensitive, adhesive-backed urethane bumpers adhere quickly and resist marring and staining on surfaces and give excellent skid and abrasion resistance.

Bumpon™ Protective Products

Part No.	Product No.	Type	Fig.	Pack	W" x H"	1	10	50
142658	SJ5012BLKC	Black cylindrical	1	100	.50 x .14	\$6.99	\$5.99	\$5.49
142771	SJ5008BLKC	Black square	2	100	.50 x .12	7.99	5.99	4.99
142682	SJ5018BLKC	Black square	3	100	.50 x .23	10.49	8.99	7.99
126981	SJ5023BLK4	Black square	4	4	.81 x .30	1.95	1.75	1.59
142666	SJ5023BLKC	Black square	4	100	.81 x .30	14.99	12.99	10.99

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Grab Bags are available online at www.Jameco.com/Electromechanical



135394 - Electrolytic



18294 - Toy Motors



149649 - Fans



135271 - LEDs



169578 - Photocells



55968 - Spacers



319600 - Cabinet

* "LB" grab bag quantities and weights are approximate • Opened grab bags are not returnable • Use our 20-drawer cabinet w/ labels to store your components, P/N 319600

Shaded in brown on this page you will find Jameco's nine (9) most popular component Grab Bags. They are all individually bagged, and are combined to make up the Schwab's School Selection (P/N 163213) referenced towards the bottom of the page.

Capacitor Assortments

NEW
MARKED IN PINK

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17857	GB100	200 asst. ceramic disc capacitors	0.2	\$5.95	\$4.95
135335	GB100LB*	1 lb. (900 pcs) asst. ceramic disc caps	1.0	14.95	12.95
17881	GB101	100 assorted mylar capacitors	0.3	5.95	4.95
135458	GB101LB*	1 lb. (400 pcs) asst. mylar capacitors	1.0	14.95	12.95
17911	GB102	100 assorted electrolytic capacitors radial, axial, snap	0.5	5.95	4.95
135394	GB102LB*	1.5 lb. assorted (300 pcs) electrolytic caps radial, axial, snap (photo above)	1.5	12.95	10.95
17945	GB103	100 assorted tantalum capacitors (dipped epoxy and solid tubular)	0.1	12.95	10.95

1/4 & 1/2 Watt Resistor Assortments

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18104	GB116	200 asst. 1/4W resistors (5&10%)	0.1	\$4.95	\$3.95
135351	GB116LB*	1 lb. (2000 pcs) asst. 1/4W resistors	1.0	14.95	12.95
18139	GB117	200 asst. 1/2W resistors (5&10%)	0.2	5.95	4.95

Trimmers, Single & Multi Turn Potentiometers

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18075	GB113	100 asst. 1/10W to 1/8W trimmer pots (100Ω to 2MΩ values)	0.1	\$6.95	\$5.95
18278	GB174	100 assorted 1/4W, 1/2W & 3/4W multi-turn pots (100Ω to 5MΩ assorted values)	0.2	7.95	6.95
135407	GB174LB*	1 lb. (300 pcs) 1/4W, 1/2W & 3/4W multi-turn pots (100Ω to 5MΩ assorted values)	1.0	16.95	14.95

LEDs, 7-Segment Displays and Photocells

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
18041	GB110	100 assorted sizes & colored LEDs (T1 & T1½ round and rectangular)	0.1	\$6.95	\$5.95	\$4.95
18323	GB186	500 asst. sizes #18041 LEDs	0.3	24.95	22.95	19.95
135271	GB110LB*	1 lb. (1900 pcs) asst. #18041 LEDs	1.0	59.95	54.95	49.95
18201	GB162	50 asst. sizes of colored displays (7-segment LED, modules, stick)	0.5	9.95	8.95	7.95
169578	GB125	100 asst. values photocells	0.2	19.95	17.95	15.95

Schwab's School Selection

Jameco's nine (9) most popular Grab Bags (highlighted on this page) are all individually bagged. North Dakota Engineer, Loren Schwab, recommended this selection of products as a standard item. He also recommended a 20-drawer component cabinet with labels (319600, see photo above) for storage.

Includes: Ceramic and electrolytic capacitors, diodes, transistors, potentiometers, LEDs, 1/4W resistors, switches, spacers and standoffs.

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
163213	GB197	Schwab's School Selection	3.3	\$49.95	\$44.95
319600	GB197	20 drawer component cabinet	4.7	15.95	13.95

\$68.55
Value



What's your suggestion?

Integrated Circuits and Sockets

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17996	GB108	100 assorted TTL series (74, 74ALS, 74C, 74HC, 74HCT, 74F, 74LS, 74S)	0.2	\$9.95	\$8.95
135280	GB108LB*	1 lb. (400 pcs) asst. TTL series (same as P/N 17996, above)	1.0	29.95	26.95
18024	GB109	100 asst. linear series (NSC, Motorola, TI) TO-3, 8 & 14-pin DIP, SOIC packages	0.6	11.95	10.95
145242	GB109LB*	2 lb. (300 pcs) asst. linear series (same as P/N 18024, above)	2.0	22.95	19.95
105620	GB120	100 asst. sockets (DIP IC, PGA)	0.3	6.95	5.95
135386	GB120LB*	1 lb. (300 pcs) assorted sockets (DIP, PGA, SIMM, SIP, DIN)	1.0	15.95	13.95

Diodes, Transistors and Crystals/Oscillators

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
17961	GB107	200 assorted diodes (zener, switching, silicon)	0.1	\$6.95	\$5.95	\$4.95
18171	GB127	100 assorted transistors (NPN, PNP, power)	0.1	6.95	5.95	4.95
114446	GB150	50 assorted crystals/oscillators	0.2	6.95	5.95	4.95

Switches, Toy Motors, Gears and Fans

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18235	GB165	50 assorted switches (toggle, pushbutton, rocker, slide)	0.4	\$7.95	\$6.95
135378	GB165LB*	1 lb. (150 pcs) asst. #18235 switches	1.0	19.95	17.95
18294	GB182	5 asst. toy DC motors (1.5-24V)	1.1	6.95	5.95
149649	GB193	5 asst. AC&DC fans (photo above)	4.5	6.95	5.95
1943094	GB198	30 asst. gears, plastic/nylon (20, 22, 23, 59, 63 teeth vary)	0.3	14.95	12.95

Spacer & Threaded Standoff Assortments

• Round • Hex • Aluminum • Brass • Steel • Plastic • Nylon

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
55968	GB140	100 asst. 4-40, 6-32, 8-32 round/hex, alum/brass/nylon, spacers/standoffs	0.3	\$14.95	\$12.95
135423	GB140LB*	1 lb. (300 pcs) same as P/N 55968	1.0	29.95	25.95

Hardware Assortments

• Screws, nuts, washers and lock washers; sizes 2-56, 4-40, 6-32 and 8-32
 • Plastic • Steel • Brass • Aluminum

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
171571	GB149*	1 lb. (500 pcs) asst. types of screws, nuts, washers & lock washers	1.0	\$6.95	\$5.95	\$4.95
171635	GB149LB*	3 lbs. (1400 pcs) asst. types; same as P/N 171571 (above)	3.0	17.95	15.95	13.95

Surprise Component Grab Bag

Our Best Seller!

Axial and radial electrolytics, monolithic, dipped silver mica and mylar capacitors, ICs, connectors, sockets, headers, thermistors & lock washers, resistor networks, diodes, standoffs, transistors, oscillators/resonators, inductors, crystals, resistors, pots and switches (1000 pcs.)



Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
135263	GB191LB*	3 lb. electronic components		\$17.95	\$15.95

NEW
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Grab bag contents will vary based on availability and may not include all noted product families.

Additional DC Brushless Fans are available online at www.Jameco.com/Fans

Call for additional OEM PRICING – we carry major manufacturers.

DC Brushless Fans



695050



1581249



1809936



354933

Part No.	Manufacturer	Product No.	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
131247	Adda	AD0205LX-G50	5	1.00 x 1.00 x 0.40	1.8	Sleeve	100	0.5	UL/CSA/CE	15.6	5.5"	\$11.35	\$10.22	\$8.17	\$7.70
695050	Sunon	GM0502PFV2-8	5	1.00 x 1.00 x 0.40	3.0	Vapo	80	0.4	UL/CUL	16	5.5"	7.95	6.95	5.95	4.95
1585397	Sunon	GM0502PFB1-8	5	1.00 x 1.00 x 0.40	3.5	Ball	130	0.7	UL/CUL	25	6"	8.95	7.95	6.95	5.95
1708481	Sunon	KDE0502PHB3-8 (MS)	5	1.00 x 1.00 x 0.60	1.8	Ball	80	0.4	UL/CUL	16	4"	7.95	6.95	5.95	4.95
1928311	Adda	AD0305LB-K70	5	1.18 x 1.18 x 0.23	2.5	Ball	60	0.3	UL/CUL/TUV/CE	30	6"	11.95	10.95	9.95	8.95
1708457	Sunon	KDE0504PEB3-8 (MS)	5	1.60 x 1.60 x 0.23	3.5	Ball	90	0.45	UL/CUL/TUV	20	6"	8.95	7.95	6.95	5.95
1928361	Adda	AD0405MB-K90(S)	5	1.60 x 1.60 x 0.23	5.5	Ball	90	0.45	UL/TUV/CE	25	6"	10.95	9.95	8.95	7.95
1928353	Adda	AD0405HB-K90	5	1.60 x 1.60 x 0.23	6.0	Ball	120	0.6	UL/CUL/TUV/CE	30	5"	11.95	10.95	9.95	8.95
1581249	Sunon	KDE0504PFB3-8	5	1.60 x 1.60 x 0.40	4.6	Ball	70	0.35	UL/CUL	23.5	12"	7.95	6.95	5.95	4.95
196373	Sunon	KD0504PFB2-8	5	1.60 x 1.60 x 0.40	5.5	Ball	90	0.5	UL/CUL	23	12"	8.95	7.95	6.95	5.95
1928370	Adda	AD0405HS-G70	5	1.60 x 1.60 x 0.40	6.7	Sleeve	190	0.95	UL/CUL/TUV/CE	25	3" w/ conn	6.95	5.95	4.95	3.95
1581265	Sunon	KDE0504PFS1-8	5	1.60 x 1.60 x 0.40	7.0	Sleeve	110	0.6	UL/CUL	27	12"	6.95	5.95	4.95	3.95
1585442	Sunon	KDE0504PFB2 (MS)	5	1.60 x 1.60 x 0.40	7.0	Ball	140	0.7	CE	27	12"	7.95	6.95	5.95	4.95
1809936	Sunon	KDE0505PHB2	5	2.00 x 2.00 x 0.60	12.7	Ball	380	1.9	UL/CUL/TUV/CE	27.8	12"	7.95	6.95	5.95	4.95
1809944	Sunon	KDE0506PHB3	5	2.00 x 2.36 x 0.60	15.2	Ball	240	1.2	UL/CUL/TUV/CE	26.5	12"	7.95	6.95	5.95	4.95
1708431	Sunon	KD0506PHB2	5	2.36 x 2.36 x 0.60	18.5	Ball	380	1.9	UL/CUL/TUV/CE	32	12"	7.95	6.95	5.95	4.95
355493	Sunon	KD0506PTS3	5	2.36 x 2.36 x 1.00	15.9	Sleeve	230	1.2	UL/CUL/CE	26.7	6.5" w/ conn	6.95	5.95	4.95	3.95
1776257	Delta	AFB0605MB	5	2.36 x 2.36 x 1.50	13.5	Ball	200	1.0	UL/CSA/VE/CE	29	12.9"	12.49	11.25	9.95	8.39
1708449	Sunon	KDE1202PFB1-8 (V)	12	1.00 x 1.00 x 0.40	3.1	Ball	83	1.0	UL/CUL	33	6"	11.95	10.95	9.95	8.95
1708465	Sunon	KDE1203PFB2-8 (MS)	12	1.18 x 1.18 x 0.40	3.0	Ball	66	0.8	UL/CUL	25	6"	8.95	7.95	6.95	5.95
212783	Sunon	KDE1203PFB1-8	12	1.18 x 1.18 x 0.40	3.5	Ball	75	0.9	UL/CUL/TUV/CE/VE	27	5.9"	8.95	7.95	6.95	5.95
1928134	Adda	AD0312HB-D50	12	1.18 x 1.18 x 0.60	3.5	Ball	110	1.3	UL/CUL/TUV/CE	22.5	3" w/ conn	9.95	8.95	7.95	6.95
212741	Sunon	KDE1235PFB2-8	12	1.40 x 1.40 x 0.40	4.5	Ball	60	0.8	UL/CUL/TUV/CE/VE	21	5.9"	9.95	8.95	7.95	6.95
212759	Sunon	KDE1235PFB1-8	12	1.40 x 1.40 x 0.40	5.2	Ball	80	1.0	UL/CUL/TUV/CE/VE	25	5.9"	11.95	10.49	8.95	7.95
212760	Sunon	KDE1235PFB1-8	12	1.40 x 1.40 x 0.40	5.2	Ball	80	1.0	UL/CUL/TUV/CE/VE	25	5.9"	11.95	10.76	9.68	8.06
210797	Sunon	KD1204PFB3H	12	1.60 x 1.60 x 0.40	4.7	Ball	50	0.6	UL/CUL/TUV/CE	24	14"	6.95	6.25	5.59	4.95
279611	Toyo	T401012VH	12	1.60 x 1.60 x 0.40	5.8	Ball	90	1.1	UL/CUL/TUV/CE	33.5	12"	4.95	3.95	3.49	2.95
1708561	Sunon	KD1204PFB3H	12	1.60 x 1.60 x 0.40	6.5	Ball	50	0.6	UL/CUL/TUV	24	12"	6.95	5.95	4.95	3.95
212717	Sunon	KDE1204PFV2.11.MS.A.GN	12	1.60 x 1.60 x 0.40	6.5	Ball	90	1.1	UL/CUL/TUV/CE/VE	27	12"	6.95	5.95	4.95	3.95
1585469	Y.S. Tech	FD1240107B-2N	12	1.60 x 1.60 x 0.40	6.6	Ball	90	1.08	UL/CUL/TUV	29	6"	5.95	4.95	3.95	3.25
290010	Adda	AD0412HB-G70	12	1.60 x 1.60 x 0.40	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	10" w/ conn	6.95	5.95	4.95	3.95
1928054	Adda	AD0412HB-G70	12	1.60 x 1.60 x 0.40	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	2.5" w/ conn	5.95	4.95	3.95	3.25
1581257	Sunon	KDE1204PFS2-8	12	1.60 x 1.60 x 0.40	7.0	Sleeve	90	1.1	UL/CUL	28	12"	7.95	6.95	5.95	4.95
189691	Sunon	KD1204PFS1-8	12	1.60 x 1.60 x 0.40	8.0	Sleeve	60	0.7	UL/CUL/TUV/CE	30	12"	7.95	7.16	5.72	4.29
212725	Sunon	KDE1204PFV1	12	1.60 x 1.60 x 0.40	8.3	Vapo	110	1.4	UL/CUL/TUV/CE/VE	34.4	12"	5.95	4.95	4.49	3.95
1585434	Sunon	KDE1204PFB1 (MS)	12	1.60 x 1.60 x 0.40	8.5	Ball	110	1.3	UL/CUL	35	12"	7.95	6.95	5.95	4.95
1708473	Sunon	KDE1204PFVX11.MS.A	12	1.60 x 1.60 x 0.40	9.5	Vapo	150	1.8	UL/CUL/TUV	39	12"	7.95	6.95	5.95	3.95
136178	Adda	AD0412MS-C70	12	1.60 x 1.60 x 0.80	5.0	Sleeve	110	1.32	UL/CSA	23	9"	6.95	5.95	4.95	3.95
1809856	Sunon	GM1204PKV3-A	12	1.60 x 1.60 x 0.80	6.3	Vapo	50	0.6	UL/CSA/TUV	18	12"	7.95	6.95	5.95	4.95
195899	Sunon	KDE1204PKS2	12	1.60 x 1.60 x 0.80	6.5	Sleeve	70	0.9	UL/CSA/TUV	25.5	12"	6.95	5.95	4.95	3.95
279620	Toyo	T402012H	12	1.60 x 1.60 x 0.80	6.7	Ball	70	0.84	UL/CUL/TUV/CE	26.2	12"	6.95	5.95	4.95	3.95
249375	Adda	AD0412HB-C56 ¹	12	1.60 x 1.60 x 0.80	9.2	Ball	100	1.1	UL/CUL/TUV/CE	39.3	2"	7.95	6.95	5.95	4.95
687754	Sunon	KDE1204PKSX-8	12	1.60 x 1.60 x 0.80	9.5	Sleeve	90	1.1	UL/CSA	28	11"	7.95	6.95	5.95	4.95
206165	Sunon	KDE1204PKBX-8	12	1.60 x 1.60 x 0.80	10	Ball	90	1.1	UL/TUV/CE	29.4	17"	6.59	6.13	5.93	5.65
1928118	Adda	AD4012HB-C50	12	1.60 x 1.60 x 0.80	10.5	Ball	100	1.2	UL/CUL/TUV/CE	31.9	12"	19.95	17.95	14.95	12.95
1585291	Sunon	GM1204PKVX-A	12	1.60 x 1.60 x 0.80	10.8	Vapo	130	1.60	UL/CUL/CSA	27.5	5"	6.95	5.95	4.95	3.95
212688	Sunon	KDE1245PFB2-H	12	1.80 x 1.80 x 0.40	8.0	Ball	90	1.1	UL/CUL/TUV/CE/VE	29	12"	7.25	6.95	6.59	5.95
1918809	Jamicon	KF051081M	12	2.00 x 2.00 x 0.40	9.27	Ball	80	0.8	UL/CUL/TUV/CE	26.6	10.5"	7.95	6.95	5.95	4.95
1708588	Sunon	KD1205PFS2H	12	2.00 x 2.00 x 0.40	11	Sleeve	91.6	1.1	UL/CUL/TUV	26	12"	7.95	6.95	5.95	4.95
1809830	Sunon	KDE1205PFB2-8	12	2.00 x 2.00 x 0.40	11.5	Ball	100	1.2	UL/CUL/TUV	28.5	12"	8.95	7.95	6.95	5.95
1809821	Sunon	GM1205PFVX-AR	12	2.00 x 2.00 x 0.40	12.4	Vapo	80	1	UL/CUL/TUV	36	12"/3 leads	7.95	6.95	5.95	4.95
1810005	Sunon	KDE1205PHB3	12	2.00 x 2.00 x 0.60	10.2	Ball	60	0.7	UL/CUL/TUV/CE	22.5	12"	7.95	6.95	5.95	4.95
139602	Adda	AD0512HS-D71	12	2.00 x 2.00 x 0.60	12	Sleeve	100	1.2	UL/CSA/CE	29	12"	9.15	8.24	6.59	4.94
1809813	Sunon	GM1205PHV1-AR	12	2.00 x 2.00 x 0.60	17	Vapo	130	1.5	UL/CUL/TUV/CE	33	12"	7.95	6.95	5.95	4.95
1585418	Sunon	KDE1206PFS3-8	12	2.36 x 2.36 x 0.40	11.3	Sleeve	70	0.8	UL/CUL	28.5	12"	6.95	5.95	4.95	3.95
354933	Delta	EFB0612MA	12	2.36 x 2.36 x 0.40	15.5	Ball	120	1.4	UL/CSA/VE/CE	29	12"/3 leads	7.95	6.95	5.95	4.95
687800	Sunon	KDE1206PFS1-8	12	2.36 x 2.36 x 0.40	16.5	Sleeve	120	1.4	UL/CUL/TUV	34.5	11"	7.95	6.95	5.95	4.95
1928046	Adda	AD0612LX-D70GL	12	2.36 x 2.36 x 0.60	12	Hypno	90	1.08	UL/CUL/TUV/CE	27.2	8"	8.95	7.95	6.95	5.95

¹ 249375: Speed sensor

♣ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

DC Brushless Fans (Continued)



Additional DC Brushless Fans are available online at www.Jameco.com/Fans

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Part No.	Manufacturer	Product No.	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
195945	Adda	AD612MS-D71GL	12	2.36 x 2.36 x 0.60	14.2	Sleeve	110	1.32	UL/CSA/TUV/CE	28.8	6"	\$8.89	\$8.02	\$7.31	\$5.48
1585400	Sunon	KDE1206PHB3	12	2.36 x 2.36 x 0.60	15	Ball	60	0.7	UL/CSA/CE	26	12"	8.95	7.95	6.95	5.95
249069	Jamicon	JF0615B1H-000-243	12	2.36 x 2.36 x 0.60	15.7	Ball	170	2.04	UL/CUL/TUV/CE	34	10.5"	7.95	6.95	5.25	4.95
687771	Sunon	KDE1206PHS1	12	2.36 x 2.36 x 0.60	21	Sleeve	150	1.8	UL/CSA/TUV/CE	36	10" w/ conn	7.95	6.95	5.95	4.95
1537141	Sunon	KDE1206PHB1	12	2.36 x 2.36 x 0.60	21	Ball	150	1.8	UL/CUL/CE	37.5	12"/3 leads	8.95	7.95	6.95	5.95
144161	Adda	AD0612LB-C70GL	12	2.36 x 2.36 x 0.80	12.6	Ball	80	1.0	UL/CSA/TUV	22.7	6"	9.49	8.49	6.99	5.99
1809961	Sunon	KDE1206PKV3.13.MS.A	12	2.36 x 2.36 x 0.80	15	Vapo	70	0.8	UL/CUL/TUV/CE	25	12"	8.95	7.95	6.95	5.95
1928126	Adda	AD0612HB-C70GL	12	2.36 x 2.36 x 0.80	16.3	Ball	160	1.92	UL/CSA/TUV/CE	31	12"	11.95	10.95	9.95	8.95
189595	Sunon	KD1206PKS2	12	2.36 x 2.36 x 0.80	16.5	Sleeve	150	1.8	UL/CSA/TUV/CE	31	12"	5.95	4.95	3.95	2.95
1708529	Sunon	KDE1206PTV3 (MS)	12	2.36 x 2.36 x 1.00	16	Vapo	58	0.7	UL/CUL/TUV/CE	21	12"	6.95	5.95	4.95	3.95
1536923	Jamicon	JF0625B1M	12	2.36 x 2.36 x 1.00	19	Ball	230	2.76	UL/CUL/TUV/CE	33.6	10"	5.95	4.95	3.95	2.95
1810101	Japan Servo	TUDC12Z4F-022	12	2.36 x 2.36 x 1.00	19	Ball	140	1.8	UL/CSA/TUV	32	5" w/ conn	7.95	6.95	5.95	4.95
1919140	Sunon	KD1206PTB2(2)FGN ¹	12	2.36 x 2.36 x 1.00	19.3	Ball	87	1.0	UL/CUL/TUV/CE	30	12" w/ conn	6.75	6.75	5.75	5.49
150422	Jamicon	JF0625B1H	12	2.36 x 2.36 x 1.00	21.44	Ball	230	2.7	UL/CSA/TUV	30.5	10"	7.05	5.87	5.38	4.93
195911	Sunon	KD1206PTS1	12	2.36 x 2.36 x 1.00	21.7	Sleeve	190	2.3	UL/CSA/TUV	34	12"	7.99	5.92	5.31	4.80
1708511	Sunon	KDE1206PTS3	12	2.36 x 2.36 x 1.00	16	Sleeve	92	1.1	UL/CSA/TUV/CE	25	12"	6.95	5.95	4.95	3.95
1809928	Sunon	KDE1206PTB1.MS	12	2.36 x 2.36 x 1.00	23.5	Ball	150	1.8	UL/CUL/TUV/CE	34.5	11.5"	6.95	5.95	4.95	3.95
1810013	Sunon	KDE1206PTV1.MS	12	2.36 x 2.36 x 1.00	23.5	Ball	150	1.8	UL/CUL/TUV/CE	33.5	12"	6.95	5.95	4.95	3.95
1776265	Delta	FFB0612EHE	12	2.36 x 2.36 x 1.50	50.2	Ball	800	9.6	UL/CSA/VDE/CE	54.5	12.8"	17.95	15.95	11.86	11.04
401269	Delta	AFB0812LB	12	3.15 x 3.15 x 0.60	24.7	Ball	140	1.68	UL/CSA/TUV	27.5	10"	7.95	6.95	5.95	4.95
109081	Adda	AD0812HS-D71	12	3.15 x 3.15 x 0.60	29	Sleeve	190	2.3	UL/CSA/TUV/CE	31.4	12"	9.95	8.99	8.09	7.25
1708570	Sunon	KD1208PHB1-AH	12	3.15 x 3.15 x 0.60	35	Ball	240	2.9	UL/CUL/TUV/CE	39.5	12"	7.95	6.95	5.95	4.95
1809987	Sunon	KDE1208PHV1.13.MS.A	12	3.15 x 3.15 x 0.60	40	Vapo	200	2.4	UL/CUL/TUV/CE	34	12"	8.95	7.95	6.95	5.95
141921	Adda	AD0812HB-C70	12	3.15 x 3.15 x 0.80	27.3	Ball	240	2.9	UL/CSA/CE	34	12"	7.65	7.22	6.85	6.51
1708596	Sunon	KD1208PKB3(2).H	12	3.15 x 3.15 x 0.80	31	Ball	108	1.3	UL/CUL/TUV/CE	33	12"	6.95	5.95	4.95	3.95
1537301	Panaflo	FBA08A12L	12	3.15 x 3.15 x 1.00	24	Sleeve	68	0.82	UL/CSA	21	11.5"	7.95	6.95	5.95	4.95
16993	Various	FAN7315SL ^{2*}	12	3.15 x 3.15 x 1.00	25-40	Sleeve	120-200	1-2	UL/CSA	25	4-12"	5.95	4.95	4.49	3.95
75361	Various	FAN6315BL [*]	12	3.15 x 3.15 x 1.00	25-40	Ball	120-200	1-2	UL/CSA	25	4-12"	5.95	4.95	4.49	3.95
688597	NMB	3110GL-B4W-B19	12	3.15 x 3.15 x 1.00	24.7	Ball	100	1.2	UL/CSA/TUV/CE	22	7" w/ conn.	6.95	5.95	4.95	3.95
286926	Toyo	USTF802512MW	12	3.15 x 3.15 x 1.00	29	Ball	180	2.16	UL/CSA/CE/VDE	24.8	4.5"	6.95	5.95	4.95	3.95
154289	Sunon	KDE1208PTS3-6	12	3.15 x 3.15 x 1.00	29.4	Sleeve	120	1.4	UL/CSA/TUV/CE	24.5	5.5"	7.49	6.79	5.99	4.99
123530	Adda	AD0812MS-A70GL	12	3.15 x 3.15 x 1.00	32	Sleeve	150	1.8	UL/CSA/TUV	28.3	12"	8.35	7.52	6.00	4.50
1776273	Delta	AFB0812H	12	3.15 x 3.15 x 1.00	35.3	Ball	160	1.9	UL/CSA/VDE/CE	31	12"	13.75	9.09	8.59	8.26
1810030	Sanyo Denki	9A0812H401	12	3.15 x 3.15 x 1.00	36.4	Ball	130	1.56	UL/CSA/TUV	29	12"/3 leads	9.95	8.95	7.95	6.95
1537387	Sunon	KD1208PTB213(2).GN	12	3.15 x 3.15 x 1.00	37	Ball	110	1.3	UL/CUL/TUV/CE	32	11.5" w/ conn.	9.95	8.95	7.95	6.95
1928038	Adda	AD0812HS-A70GL	12	3.15 x 3.15 x 1.00	38.6	Sleeve	250	3.0	UL/CSA/TUV/CE	34.4	12"	6.95	5.95	4.95	3.95
1928100	Adda	AD0812HX-A70GL	12	3.15 x 3.15 x 1.00	38.6	Hypro	250	3.0	UL/CSA/TUV/CE	34	12"	6.95	5.95	4.95	3.95
1585477	Sunon	KD1208PTS1-13	12	3.15 x 3.15 x 1.00	40	Sleeve	160	1.90	UL/CUL/TUV/CE	33	12"	6.95	5.95	4.95	3.95
1810021	Sunon	KDE1208PTV1.13.MS.A	12	3.15 x 3.15 x 1.00	40	Vapo	160	1.9	UL/CUL/TUV/CE	33	12"	6.95	5.95	4.95	3.95
1708490	Sunon	KDE1208PTB1-13.MS(2)A	12	3.15 x 3.15 x 1.00	41	Vapo	150	1.8	UL/CUL/TUV/CE	35	12"	7.95	6.95	5.95	4.95
206181	Sunon	KDE1208PTS1-6	12	3.15 x 3.15 x 1.00	42	Sleeve	220	2.6	UL/CSA/TUV/CE	34	9"	7.15	6.47	5.82	5.22
355400	ReliaPro	JR-DCF-128025B1	12	3.15 x 3.15 x 1.00	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	11.5" leads	6.95	5.95	4.95	4.25
355401	ReliaPro	JR-DCF-128025B1	12	3.15 x 3.15 x 1.00	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	11.5"	7.89	5.71	5.39	4.04
1810110	Sunon	KDE1208PTB1-6A	12	3.15 x 3.15 x 1.00	42.5	Ball	190	2.3	UL/CUL/TUV/CE	36.5	10"/3 leads	8.95	7.95	6.95	5.95
1581273	Cheng	CHA8012DB	12	3.15 x 3.15 x 1.00	44.3	Ball	300	3.6	UL	37	12"	6.95	5.95	4.95	3.95
1918729	Jamicon	JF0825S1SR	12	3.15 x 3.15 x 1.00	45.5	Sleeve	260	3.12	UL/CUL/TUV/CE	35.8	12" w/ conn.	6.95	5.95	4.95	3.95
421526	Panasonic	FBA08A12U-1A2	12	3.15 x 3.15 x 1.00	47	Sleeve	360	4.32	UL/CSA	38.2	11"	6.95	5.95	4.95	3.95
1809995	Sunon	KDE1208PTB-6A(318)	12	3.15 x 3.15 x 1.00	50.6	Ball	360	4.3	UL/CUL/TUV/CE	40.5	12"	8.49	7.95	6.95	5.95
1928089	Adda	AD0912LX-A70GL	12	3.63 x 3.63 x 1.00	32.4	Sleeve	130	1.6	UL/CUL/TUV/CE	23.5	12"	10.95	9.95	8.95	7.95
1928097	Adda	AD0912LX-A70GL	12	3.63 x 3.63 x 1.00	37.9	Hypro	120	1.44	UL/CUL/TUV/CE	26.5	12"	10.95	9.95	9.49	8.25
1928003	Adda	AD0912MB-A71GL	12	3.63 x 3.63 x 1.00	44.2	Ball	170	2.0	UL/CUL/TUV/CE	32.7	12"	10.95	9.95	8.95	7.95
196023	Jamicon	JF0925B1M	12	3.63 x 3.63 x 1.00	45.4	Ball	200	2.4	UL/CSA/TUV	34	10"	7.25	6.52	5.86	5.18
154641	Nidec	TA350DC-M33422-16	12	3.63 x 3.63 x 1.00	48	Ball	290	3.5	UL/CSA	43	12"	7.55	6.80	5.44	4.08
190984	Sunon	KD1209PTB1-6A	12	3.63 x 3.63 x 1.00	51	Ball	220	2.6	UL/CSA/TUV	34	12"	8.45	7.43	6.93	6.44
162739	NMB (Smart Fan)	3610KL-04W-B56 [†]	12	3.63 x 3.63 x 1.00	55	Ball	430	3.8	UL/CSA/VDE/CE	37	10"/3 leads	7.95	7.16	5.72	4.29
102963	Nidec	TA350DC-M33503-55	12	3.63 x 3.63 x 1.00	56	Ball	400	4.8	UL/CSA	45	8"	7.95	6.95	5.95	4.95
1776281	Delta	AFB0912HH	12	3.63 x 3.63 x 1.00	57.9	Ball	250	3.0	UL/CSA/VDE/CE	38	12"	13.75	9.09	8.59	8.26
645028	Evercool	EC9733H12C-B ^{††}	12	3.83 x 3.64 x 1.27	23.6	Sleeve	260	3.12	CE	33	14" w/ conn.	17.95	14.95	12.95	10.95
174140	Common Wealth	FP108MS3	12	4.68 x 4.68 x 1.00	54	Sleeve	140	1.7	UL/CSA/TUV/CE	25	12"	7.99	7.23	6.09	4.99
689231	Sunon	KDE1212PTS3-6A	12	4.68 x 4.68 x 1.00	67	Sleeve	200	2.4	UL/CUL/TUV/CE	35	12"	10.95	9.95	8.95	7.95
227901	Common Wealth	FP-108M-S1-B	12	4.68 x 4.68 x 1.00	80	Ball	330	4.0	UL/CSA/VDE/CE	42	12"	13.15	11.82	10.67	9.59

¹ 1919140: 3-wire lock rotor ² 16993: Replacement for PC/XT computer power supply fan [†] Temp. control: 162739 (50°C, 3 leads) ^{††} 645028: Blower (see photo on next page) * Mir. & specifications may vary

♣ This product typically requires two additional days to ship. Please request "ship partial" if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional DC Brushless Fans and Blowers are available online at www.Jameco.com/Fans

Call for additional OEM PRICING – we carry major manufacturers.

DC Brushless Fans (Continued)



686516



1537467



662653



645028 (pg 108)

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
363848	Mechatronics	E1225H12B	12	4.68 x 4.68 x 1.00	82	Ball	385	4.62	UL/CUL/TUV	40	3.5"	\$10.95	\$9.95	\$8.95	\$7.95
1928020	Adda	AD1212HB-A71GL	12	4.68 x 4.68 x 1.00	85.2	Ball	370	4.5	UL/CUL/TUV/CE	39.1	12"	12.95	11.95	10.95	9.95
689566	Sunon	KDE1212PTB1-6A	12	4.68 x 4.68 x 1.00	90	Ball	400	4.8	UL/CUL/TUV/CE	44.5	12" w/ conn.	13.95	12.95	10.95	8.95
1537133	Delta	WFB1212HH	12	4.68 x 4.68 x 1.00	95.4	Ball	610	7.3	UL/CSA/CE	42.5	4" w/ conn.	10.95	9.95	8.95	7.95
1928011	Adda	AD1212US-A71GL	12	4.68 x 4.68 x 1.00	98.6	Sleeve	500	6.0	UL/CUL/TUV/CE	39.1	12"	10.95	9.95	8.95	6.95
1537221	Sunon	KDE1212PMB3-6A	12	4.68 x 4.68 x 1.50	84	Ball	570	6.8	UL/CUL/CE	42	12" w/ conn.	13.95	12.95	11.95	10.95
1585389	Japan Servo	CNDC12B4C-016	12	4.68 x 4.68 x 1.50	99	Ball	380	4.6	UL/CSA/TUV	40	12"	13.95	12.95	11.95	10.95
686516	Adda	AD1212HB-F51	12	4.68 x 4.68 x 1.50	104.8	Ball	500	6	UL/CUL/CSA/TUV/CE	42.8	11" w/ conn.	13.95	12.95	11.95	10.95
94625	Sunon	KD1212PMB1-6A	12	4.68 x 4.68 x 1.50	108	Ball	570	6.8	UL/CUL/TUV/CE	42	12"	11.95	11.25	10.79	9.99
1537467	Comair	JQ12B7X	12	6.77 x 5.90 x 2.00	235	Ball	2260	25.2	UL/CSA/TUV/CE	54.3	12"/3 leads	29.95	26.95	23.95	19.95
1928281	Adda	AD0424HB-G70	24	1.60 x 1.60 x 0.40	6.7	Ball	90	2.16	UL/CUL/TUV/CE	25	10"	11.49	10.95	9.95	8.49
1776290	Delta	EFB0424HD	24	1.60 x 1.60 x 0.80	8.5	Ball	60	1.44	UL/CSA/VDE/CE	28.5	13"	8.59	7.74	7.39	6.96
1928290	Adda	AD0424HB-C50	24	1.60 x 1.60 x 0.80	10.1	Ball	90	2.16	UL/CUL/TUV/CE	31.9	12"	11.49	10.95	9.95	8.49
1708422	Sunon	KDE2406PHS3	24	2.36 x 2.36 x 0.60	15	Sleeve	50	1.2	UL/CUL/TUV/CE	31	12"	7.95	6.95	5.95	4.95
687818	Sunon	KDE2406PHB3	24	2.36 x 2.36 x 0.60	15.2	Ball	50	1.2	UL/CUL/TUV	26.5	11"	8.95	7.95	6.95	5.95
189861	Jamicon	JF0625B2M	24	2.36 x 2.36 x 1.00	18	Ball	130	3.1	UL/CSA/TUV/CE	28.5	10"	7.95	7.49	6.75	5.95
174108	Jamicon	JF0625S2M	24	2.36 x 2.36 x 1.00	18	Sleeve	130	3.1	UL/TUV	28.5	10"	6.95	5.95	4.95	3.95
1928337	Adda	AD0824HX-A70GL	24	2.36 x 2.36 x 1.00	23.2	Hypro	150	3.6	UL/CSA/TUV/CE	32.3	12"	7.95	6.95	5.95	4.95
227248	Mechatronics	F6025E24B	24	2.36 x 2.36 x 1.00	24	Ball	125	3.0	UL/CUL/TUV	36	12"	7.95	6.95	5.95	4.95
1928071	Adda	AD0624HB-A70GL	24	2.36 x 2.36 x 1.00	24	Ball	150	3.6	UL/CSA/TUV/CE	33.9	12"	7.95	6.95	5.95	4.95
1809848	Sunon	PMD2406PTB1-A	24	2.36 x 2.36 x 1.00	35.8	Ball	220	5.3	UL/CUL/TUV/CE	48.8	12"	10.95	9.95	8.95	7.95
1928345	Adda	AD0824HX-D71L	24	3.15 x 3.15 x 0.60	29	Hypro	130	3.12	UL/CUL/TUV/CE	33.5	12"	11.49	10.95	9.95	8.49
1809864	Sunon	PMD2408PMB1-A	24	3.15 x 3.15 x 1.00	24	Ball	400	9.6	UL/CUL/TUV	55.2	12"	16.95	15.95	14.95	12.95
687797	Sunon	KDE2408PTS3-6	24	3.15 x 3.15 x 1.00	29.4	Sleeve	60	1.5	None	24.5	4" w/ conn.	7.95	6.95	5.95	4.95
290029	Jamicon	JF0825B2M	24	3.15 x 3.15 x 1.00	31.7	Ball	130	3.1	UL/CUL/TUV/CE	29.3	10"	8.95	7.95	6.95	5.95
662653	Panaflo	FBO8A24M1A	24	3.15 x 3.15 x 1.00	32.1	Sleeve	100	2.4	UL/CSA	28	11.5"	8.95	7.95	6.95	5.95
136161	Jamicon	JF0825B2H	24	3.15 x 3.15 x 1.00	39.2	Ball	150	3.6	UL/CSA/TUV	31	12"	9.59	8.64	7.77	6.99
1809952	Sunon	KDE2408PTB1-6A	24	3.15 x 3.15 x 1.00	42.5	Ball	110	2.6	UL/CUL/TUV/CE	36.5	12"	8.95	7.95	6.95	5.95
1928388	Adda	AD0824UB-A72GL	24	3.15 x 3.15 x 1.00	50	Ball	260	6.24	UL/CUL/CE	41	12"/3 leads	10.95	9.95	8.95	7.95
1581071	Pabst	8124K	24	3.15 x 3.15 x 1.50	35	Ball	125	3.0	UL	39	12"	19.95	17.95	15.95	13.95
1708502	Sunon	KDE2405PTS3-6	24	3.63 x 3.63 x 1.00	39	Sleeve	112	2.7	UL/CUL/TUV/CE	27	12"	8.95	7.95	6.95	5.95
189886	NMB	3610KL-05W-B30	24	3.63 x 3.63 x 1.00	40.6	Ball	87	2.1	UL/CSA/VDE	34	12"	7.95	7.16	5.72	4.95
1928329	Adda	AD0924HX-A70GL	24	3.63 x 3.63 x 1.00	50	Hypro	150	3.6	UL/CUL/TUV/CE	33.7	12"	8.95	7.95	6.95	5.95
695042	Sunon	KDE2409PTB1-6	24	3.63 x 3.63 x 1.00	51	Ball	140	3.4	None	37	12"	7.95	6.95	5.95	4.95
174094	Jamicon	JF0925S2H	24	3.63 x 3.63 x 1.00	52	Sleeve	190	4.6	UL/CUL	37	10"	7.95	6.95	5.95	4.95
1928302	Adda	AD0924US-A71GL	24	3.63 x 3.63 x 1.00	57.8	Sleeve	210	5.04	UL/CUL/TUV/CE	38.6	12"	8.95	7.95	6.95	5.95
1809881	Sunon	KD2412PTB1-6A	24	4.68 x 4.68 x 1.00	90	Ball	220	5.3	UL/CUL/TUV/CE	44.5	12"	12.95	11.95	10.95	9.95
1708537	Sunon	KDE2412PMS3-6A	24	4.68 x 4.68 x 1.50	83	Sleeve	160	4	UL/CUL/TUV/CE	34	12"	12.95	11.95	10.95	9.95
694516	Jamicon	JF1238B2LR130-065R	24	4.68 x 4.68 x 1.50	84.5	Ball	130	3.12	UL/CSA/TUV/CE	33.8	9.5"	17.95	15.95	13.95	11.95
153411	Sunon	KD2412PMB2-6A	24	4.68 x 4.68 x 1.50	98	Ball	230	5.5	UL/CSA/TUV	36.5	12"	11.95	10.95	9.95	8.95
694444	Jamicon	JF1238S2MR130-065R	24	4.68 x 4.68 x 1.50	101.3	Sleeve	220	5.28	UL/CSA/TUV/CE	39.1	9.5"	17.95	15.95	13.95	11.95
694524	Jamicon	JF1238B2MR130-065R	24	4.68 x 4.68 x 1.50	101.3	Ball	220	5.28	UL/CSA/TUV/CE	39.1	9.5"	17.95	15.95	13.95	11.95
694532	Jamicon	JF1238B2HR130-065R	24	4.68 x 4.68 x 1.50	118.7	Ball	310	7.44	UL/CSA/TUV/CE	43.8	9.5"	18.95	16.95	14.95	12.95
1809910	Sunon	KD2412PMSX-6A	24	4.68 x 4.68 x 1.50	119	Sleeve	300	7.2	UL/CUL/TUV/CE	45	12"	14.95	13.95	12.95	11.95
689063	EBM	W2G115-AG75-85	48	5.00 x 5.00 x 1.50	155	Ball	310	15	UL/CUL	52	10"/3 leads	19.95	17.95	15.95	13.95

Blue Part No. = Limited Quantity Available

Fan Guards and Filters



Compatible with DC and AC Fans – pages 107-110

Guards and filters fit all fans. Please match by size dimension. Example: P/N 300557 fan (3.15") matches P/N 31924 metal guard (3.15").

Part No.	Description	1	10	100	250
123502	1.60" metal (chrome) guard	\$.49	\$.45	\$.35	\$.29
120037	2.36" metal (chrome) guard	.69	.59	.49	.39
687666	2.36" steel (anodized) guard	.59	.45	.39	.29
1928433	3.15" steel (anodized) guard	.49	.45	.39	.29
31924	3.15" metal (chrome) guard	.69	.55	.45	.39
123511	3.63" metal (chrome) guard	.69	.59	.49	.39
25734	4.68" metal (chrome) guard	1.09	.98	.88	.79
695068	4.68" steel (black) guard	1.09	.89	.75	.59

Part No.	Description	1	10	100	250
695076	5.00" metal (chrome) guard	\$1.75	\$1.49	\$1.25	\$.99
1811198	6.00" metal (chrome) guard	1.75	1.49	1.25	.99
138562	3.15" plastic guard w/ mesh	1.59	1.45	1.29	1.09
229665	3.63" plastic guard w/ mesh	1.75	1.55	1.25	.95
196817	4.68" plastic guard w/ mesh	2.15	1.71	1.53	1.38
138579	3.15" alum. washable filter	2.95	2.66	2.12	1.75
130105	4.68" alum. washable filter	3.49	3.19	2.55	1.92



687666



138579/130105

This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

AC Tube Axial Fans

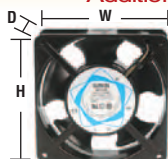
3 LEVELS OF SAVINGS
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212600



275793



- Rating 115 & 220VAC @ 50-60Hz
- Low acoustical noise rating
- Agency approved fans
- Ball and sleeve bearings
- Air flow from 6.2 to 239 CFM

Fan Power Cords Below



206309



209365

NEW
MARKED IN PINK

Part Number	Manufacturer	Product Number	Voltage (VAC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection	Pricing				QUANTITY SAVE
												1	10	50	100	
213867	Fulltech	UF60D11BWH	115	2.36 x 2.36 x 1.18	10.2	Ball	35	4	UL/CUL/VDE/CE	28	12' leads	\$15.95	\$14.39	\$12.95	\$11.65	
162704	Toyo	USTF60301153W	115	2.36 x 2.36 x 1.18	11	Ball	38	4	UL/CSA/CE	29	12' leads	15.49	14.71	14.31	13.91	
146078	Common Wealth	FP108AX-S1-B	115	3.15 x 3.15 x 1.00	23	Ball	140	14	UL/CE	29	12' leads	13.99	12.99	11.99	10.99	
300557	Fulltech	UF80B11SWH	115	3.15 x 3.15 x 1.00	24	Sleeve	140	14	UL/CUL/TUV/CE	35	12' leads	9.19	8.25	7.98	7.70	
300258	Fulltech	UF80B11BTH	115	3.15 x 3.15 x 1.00	24	Ball	140	14	UL/CUL/TUV/CE	35	Terminals	11.79	10.58	10.39	9.87	
300582	Fulltech	UF80A11SWL	115	3.15 x 3.15 x 1.50	25	Sleeve	110	12	UL/CUL/TUV/CE	32	12' leads	11.49	9.03	8.57	8.15	
300303	Fulltech	UF80A11BWL	115	3.15 x 3.15 x 1.50	25	Ball	110	11	UL/CUL/TUV/CE	32	12' leads	14.15	10.99	10.44	9.92	
300329	Fulltech	UF80A11BTL	115	3.15 x 3.15 x 1.50	25	Ball	110	12	UL/CUL/TUV/CE	32	Terminals	14.19	12.52	12.11	11.71	
300600	Fulltech	UF80A11BWH	115	3.15 x 3.15 x 1.50	29	Ball	120	12	UL/CUL/TUV/CE	36	12' leads	13.39	12.04	11.26	10.67	
300389	Fulltech	UF80A11BTH	115	3.15 x 3.15 x 1.50	30	Ball	120	12	UL/CUL/TUV/CE	36	Terminals	11.39	10.26	9.58	9.10	
75433	Sunon	SF11592A-1092HSL	115	3.63 x 3.63 x 1.00	36	Sleeve	130	12	UL/CSA/TUV/CE	39	12' leads	13.19	11.87	9.50	7.13	
75459	Sunon	SF11592A-1092H	115	3.63 x 3.63 x 1.00	37	Ball	110	12	UL/CSA/TUV/CE	40	Terminals	15.95	14.39	12.95	11.65	
303467	Sunon	SF11592A-1092HBL	115	3.63 x 3.63 x 1.00	37	Ball	110	12	UL/CSA/TUV/CE	40	12' leads	17.95	16.95	14.95	12.75	
1708617	Sunon	SP103AT-1122LBT	115	4.68 x 4.68 x 1.00	54	Ball	110	11.5	CE	40	Terminals	12.95	11.95	10.95	9.95	
124063	Sunon	SP101AT-1122HBT	115	4.68 x 4.68 x 1.00	78	Ball	180	18	CSA/TUV/CE	46	Terminals	13.49	10.95	9.89	9.19	
1810048	Sunon	SP101AT-1122HBL-GN	115	4.68 x 4.68 x 1.00	78	Ball	180	18	UL/CUL/TUV/CE	46	12' leads	11.95	10.95	9.95	8.95	
303361	Fulltech	UF12A11BTL1	115	4.68 x 4.68 x 1.50	64	Ball	80	15	UL/CUL/TUV/CE	37	Terminals	13.89	12.46	11.62	11.05	
1918796	Jamicon	KA1238L1B0A0-T	115	4.68 x 4.68 x 1.50	78	Ball	200	12	UL/CUL/CE	38	Terminals	12.95	11.95	10.95	9.95	
1585371	Sunon	SP103A-1123LBL	115	4.68 x 4.68 x 1.50	78	Ball	130	11	UL/CSA/TUV	39	6' w/ conn.	10.95	9.95	8.95	7.95	
300792	Fulltech	UF12A11STL	115	4.68 x 4.68 x 1.50	81	Sleeve	150	15	UL/CUL/TUV/CE	38	Terminals	10.95	9.84	9.51	9.19	
303482	Fulltech	UF12A11SWL	115	4.68 x 4.68 x 1.50	82	Sleeve	150	12	UL/CUL/TUV/CE	38	12' leads	13.35	12.02	9.62	7.22	
16935	Common Wealth	FP108-1-S1-B	115	4.68 x 4.68 x 1.50	105	Ball	200	17	UL/CSA/TUV/CE	47	Terminals	17.89	16.12	14.49	13.06	
303415	Common Wealth	FP108-1-S1-B/W	115	4.68 x 4.68 x 1.50	105	Ball	200	17	UL/CSA/TUV/CE	47	12' leads	16.95	15.26	12.20	9.46	
106586	Common Wealth	FP108-1-S1/T	115	4.68 x 4.68 x 1.50	105	Sleeve	180	12	UL/CSA/CE	47	Terminals	16.85	15.19	13.67	12.30	
111895	Common Wealth	FP108-1-S1/W	115	4.68 x 4.68 x 1.50	105	Sleeve	180	17	UL/CSA/CE	47	12' leads	16.75	15.08	12.06	9.05	
212600	Fulltech	UF12A11BWH	115	4.68 x 4.68 x 1.50	106	Ball	190	15	UL/CUL/TUV/CE	46	12' leads	15.39	14.22	13.03	11.84	
275793	Sunon	SP101A-1123HBT	115	4.68 x 4.68 x 1.50	107	Ball	180	18	UL/CUL/CE	50	Terminals	13.95	12.95	11.95	10.95	
1707163	Sunon	SP101A-1123HBL-GN	115	4.68 x 4.68 x 1.50	107	Ball	180	18	UL/CSA/TUV	50	12' leads	13.95	12.95	11.95	10.95	
206309	Adda	AA1281UB-AT	115	4.68 x 4.68 x 1.50	107	Ball	230	24	UL/CUL/CE	48	Terminals	13.95	13.25	12.00	9.00	
1918770	Jamicon	KA1238H1B110-T	115	4.68 x 4.68 x 1.50	110	Ball	300	24	UL/CUL/CE	45	Terminals	12.95	11.95	10.95	9.95	
303408	Sunon	SP100A-1123XBL	115	4.68 x 4.68 x 1.50	117	Ball	240	20	UL/CSA/TUV/CE	47	12' leads	16.45	15.35	14.25	13.15	
102884	Sunon	SP100A-1123XBT	115	4.68 x 4.68 x 1.50	117	Ball	240	20	UL/CUL/TUV/CE	50	Terminals	13.95	12.95	11.95	10.95	
1585320	Sunon	A1123HBL	115	4.68 x 4.68 x 1.50	117	Ball	250	20	UL/CUL/TUV	50	17' leads	13.95	12.95	11.95	10.95	
108725	Fulltech	UF15AC11BTH	115	6.75 x 5.90 x 1.50	211	Ball	230	28	UL/CUL/TUV/CE	58	Terminals	33.95	32.95	28.95	23.07	
212572	Fulltech	UF15PC11BWL	115	6.75 x 5.90 x 2.00	113	Ball	260	30	UL/CUL/TUV/CE	41	12' leads	17.95	17.49	16.95	15.95	
212582	Fulltech	UF15PC11BWH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	UL/CUL/TUV/CE	58	12' leads	29.95	29.60	26.61	26.05	
189683	Fulltech	UF15PC12BTH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	CSA	58	Terminals	32.89	30.25	28.71	21.53	
189684	Fulltech	UF15PC12BTH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	CSA	58	Terminals	32.89	30.25	28.71	21.53	
1810128	Common Wealth	FP-108AX-S1-B	220	3.15 x 3.15 x 1.00	21	Ball	120	13	UL/CSA/TUV/CE	29	13' leads	11.95	10.95	9.95	8.95	
100918	Sunon	SF23080A/2083HSL	220	3.15 x 3.15 x 1.50	30	Sleeve	60	13.5	UL/CSA/TUV/CE	35	12' leads	11.09	8.89	8.00	6.78	
355629	Fulltech	UF-80A23-BTH	220	3.15 x 3.15 x 1.50	30	Ball	60	12	UL/CSA/VDE/CE	36	Terminals	11.89	11.19	10.49	9.97	
209365	Bi-Sonic	4C-230LB	220	4.68 x 4.68 x 1.50	63	Ball	60	9	TUV/CE	34	10' leads	14.89	13.41	11.17	10.60	
1918753	Jamicon	KA1238H2B01	220	4.68 x 4.68 x 1.50	82	Ball	200	23	UL/CUL/TUV/CE	42	Terminals	12.95	11.95	9.95	8.95	
302244	Comair	28023	220	4.68 x 4.68 x 1.50	88	Ball	130	28.6	UL/CSA	50.7	Terminals	12.95	11.95	10.95	9.95	
1918761	Jamicon	KA1238H2B12	220	4.68 x 4.68 x 1.50	110	Ball	200	24	UL/CUL/TUV/CE	45	Terminals	13.95	12.95	11.95	10.95	
1585346	Sunon	A2123-HBL	220	4.68 x 4.68 x 1.50	117	Ball	120	20	UL/CUL/TUV	50	17' leads	12.95	11.95	10.95	9.95	
1585338	Sunon	A2123-HBT	220	4.68 x 4.68 x 1.50	117	Ball	120	20	UL/CUL/TUV	50	Terminals	12.95	11.95	10.95	9.95	
303459	Sunon	DP200A-2123XBL	220	4.68 x 4.68 x 1.50	117	Ball	120	21	UL/CSA/TUV/CE	50	12' leads	15.95	14.39	12.95	11.65	
102892	Sunon	DP200A-2123XBT	220	4.68 x 4.68 x 1.50	117	Ball	120	21	UL/CSA/TUV/CE	50	Terminals	15.95	14.39	12.95	11.65	
1809872	Sunon	A2175-HBT	220	6.75 x 5.90 x 2.00	239	Ball	110	25	—	51	Terminals	29.95	26.95	23.95	19.95	

Fan Guards and Filters on page 109

Fan Power Cords

- Cord type: SPT-1 (2) conductor black
- Voltage rating: 300V
- Temperature: 60°C
- Fits all terminal fans

Part No.	Description	Length	1	10	100	250
28564	Straight socket cord	24"	\$1.05	\$.99	\$.79	\$.69
869283	Straight socket cord (COMAIR)	24"	1.75	1.69	1.63	1.54

⚡ This product typically requires two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

♻️ RoHS compliant product Ⓢ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.



28564

Additional Open-Frame Power Supplies are available online at www.Jameco.com/Power

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35-60 Watt 115 +WEB	15-60 Watt 112 +WEB	Regulated Linear 125 +WEB	Variable Transformers 134 +WEB
60-100 Watt 116 +WEB	65-150 Watt 113 +WEB	Unregulated 125 +WEB	
100-150 Watt 117 +WEB	200-350 Watt 114 +WEB	Regulated Switching 125-128 +WEB	

30 to 65-Watt *Medical* Switching AC-to-DC Power Supplies

For Complete Specifications visit www.Jameco.com



MPS-30



MPS-65




30-Watt Medical MPS-30 Series: Single Output

- Inrush current: 35A @ 120VAC
- Leakage current: 0.3mA @ 240V
- Working temperature range: -10°C - +50°C
- Three-year warranty
- Working temp.: -10°C to +60°C
- Weight: 0.3lbs.

65-Watt Medical MPS-65 Series: Single Output

- 100% full load burn-in test
- High-efficiency, low heat generation
- 2.9 watts/in³ max.
- Working temp.: -10°C to + 60°C
- Inrush current: 20A @ 120VAC
- Soft-start circuit, limiting AC surge current
- Mating connector: P/N 104731, pg 73
- Mounting holes: 4.55"L x 2.55"W x 0.14"Dia.
- Three-year warranty
- Universal AC input
- Isolation voltage: 4000VAC
- Voltage adjustment: 10%
- Leakage current: 0.3mA @ 240V
- Line regulation: ±1.0%
- Load regulation: ±2.0%
- Size: 5.0"L x 3.0"W x 1.65"H
- Weight: 0.6 lbs.

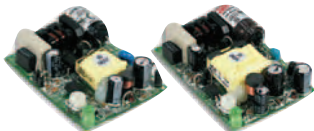
Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p) *	Certification	Pricing		
			Voltage@Current (min-max)	Power				1	10	25
221006	Mean Well	MPS-30-24	+24V@0-1.2A	28.8W	88-264@47-63	240	UL/CUL/TUV/CE	\$29.95	\$26.95	\$23.95
221154	Mean Well 	MPS-65-12	+12V@0-5.2A	62.4W	90-264@47-440	100	UL/CUL/TUV/CE	39.95	37.19	34.39

* Primary Output

Ultraminiature 5 to 20-Watt Power Supplies

For Complete Specifications visit www.Jameco.com

- 100% full burn-in test
- Universal AC input/full range
- Three-year warranty (except P/N 300530)
- Ultra miniature size and lightweight
- UL/CUL/TUV/CE
- Short-circuit, overload, overvoltage, overtemperature protection
- No load consumption



NFM-05

NFM-10



OFM-02



5-Watt NFM-5000 Series

- Size: 2.28"L x 1.77"W x 0.75"H
- Inrush current: 25A @ 115VAC
- Pin-mount

10-Watt NFM-0100 Series

- Size: 2.56"L x 1.77"W x 0.87"H
- Inrush current: 25A @ 115VAC
- Pin-mount

15-Watt NFM-1500 Series

- Size: 2.76"L x 1.89"W x 0.87"H
- Inrush current: 30A @ 115VAC
- Pin-mount








20-Watt OFM-0200 Series

- Size: 3.5"L x 2.0"W x 0.8"H
- Cooling by free-air convection
- Inrush current: 25A @ 115VAC
- Two-year warranty



20-Watt NFM-0200 Series

- Size: 3.0"L x 2.0"W x 0.76"H
- Inrush current: 30A @ 115VAC
- Chassis-mount
- Mating connector: P/Ns 463435 & 463443, see web

Jameco Part No.	Manufacturer	Product No.	Output		Load Regulation	Line Regulation	Ripple & Noise (mV p-p)	Pricing			QUANTITY SAVE
			Voltage@Current (min-max)	Power				1	10	25	
694971	Mean Well	NFM-05-5 	+5V@0-1A	5.0W	±1.5%	±1.0%	80	\$21.95	\$19.75	<u>\$17.75</u>	
694989	Mean Well	NFM-05-12 	+12V@0-0.42A	5.04W	±0.5%	±0.5%	150	21.95	19.75	17.75	
695092	Mean Well	NFM-10-5 	+5V@0-2A	10.0W	±1.0%	±1.0%	80	23.85	21.69	19.49	
695121	Mean Well	NFM-10-24 	+24V@0-0.42A	10.08W	±0.5%	±0.5%	240	23.85	21.69	<u>19.49</u>	
695156	Mean Well	NFM-15-12 	+12V@0-1.25A	15.0W	±0.5%	±0.5%	150	28.39	25.55	<u>22.95</u>	
300530	Mean Well	OFM-0203 	+15V@0-1.4A	20.0W	±1.0%	±0.3%	150	29.95	26.95	<u>23.95</u>	
695199	Mean Well	NFM-20-5 	+5V@0-4.4A	22.0W	±1.0%	±1.5%	80	32.75	29.45	<u>26.39</u>	

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)



For more Power Supplies visit www.Jameco.com/Power

15 to 60W Open-Frame Switching AC-to-DC Power Supplies

3 LEVELS OF SAVINGS
FRANCHISE SOURCED **GENERIC & NON-FRANCHISED** **JAMECO HOUSE BRANDS** **FACTORY OVERRUN**

Additional Open-Frame Power Supplies are available online at www.Jameco.com/Power

15 to 60-Watt Open-Frame Power Supplies

- 100% full burn-in test

- Universal AC input

Enclosed Power Supplies
on pages 114-120.



PSA15

15 & 25-Watt PSA15 & PSA25 Series: Single & Triple Outputs

- Isolation voltage: 3,000VAC
- Inrush current: 30A @ 120VAC
- Voltage adjustment: 5% (PSA15 only)
- Working temperature: 0° to +40°C

- One-year warranty



PS-25

25-Watt PS-25 & PD-25 Series: Single & Dual Outputs

- Inrush current: 40A @ 120VAC
- Working temp.: -10°C to +60°C
- Two-year warranty

Performance
at Value Prices



PS-45

35-Watt PS-35 Series: Single Outputs

- Short-circuit/overload/overvoltage protection
- Inrush current (typical): 23A/115VAC; 45A/230VAC
- Working temperature range: -20°C to 65°C
- Cooling by free air convection
- Two-year warranty

Performance
at Value Prices

45-Watt PS-45, PD-45 & PT-45 Series: Single, Dual & Triple Outputs

- Voltage adjustment: 10%
- Inrush current: 20A @ 120VAC
- Working temp.: -10°C to +60°C
- Two-year warranty

Performance
at Value Prices



Call for special versions & large quantities

45-Watt PSA45 Series: Triple Outputs

- Inrush current: 20A @ 120VAC
- Working temp.: 0° to +50°C
- Weight: 0.9 lbs.
- One-year warranty



For Complete Specifications visit www.Jameco.com

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Size (Inches (LxWxDia.))	Mounting Holes (L"xW"xDia.)	Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing			QUANTITY 1000
			Voltage@Current (min-max)	Power								1	10	25	
229060	Philhong	PSA15LN3-120	+12V@0.1-2.5A	15.0W	90-264@47-63	4.33x1.57x0.91	4.0x1.26x0.16	120	2.0	1.0	UL/CUL/TUV/CE	\$19.55	\$17.77	\$16.80	
205727	Volgen	ESU-15001	+15V@1A	15.0W	100/120@50-60	4.4x2.9x0.9	2.3x1.7x0.08	-	0.8	0.4	UL/CSA	14.95	12.95	10.95	
230536	Philhong	PSA25L-301	+5V@0.2-2A; +12V@0.1-1A; -12V@0-0.3A	25.0W	90-264@47-63	4.33x1.57x0.91	3.7x2.08x0.14	50	2.0	1.0	UL/CUL/TUV/CE	25.15	22.63	20.31	
212354	Mean Well	PS-25-5	+5V@0-5A	25.0W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	80	2.0	0.5	UL/CUL/TUV/CE	22.95	20.55	18.59	
392826	Mean Well	PS-25-7.5	+7.5V@0-3.3A	24.8W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	80	2.0	0.5	UL/CUL/TUV/CE	22.95	20.55	18.59	
148604	Mean Well	PS-25-12	+12V@0-2.1A	25.2W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	100	2.0	0.3	UL/CUL/TUV/CE	22.95	20.55	18.59	
216769	Mean Well	PS-25-15	+15V@0-1.7A	25.5W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	100	2.0	0.3	UL/CUL/TUV/CE	22.95	20.55	18.59	
212346	Mean Well	PS-25-24	+24V@0-1A	24.0W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	240	2.0	0.2	UL/CUL/TUV/CE	22.95	20.55	18.59	
212312	Mean Well	PD-2505	+5V@0.1-3A; -5V@0.1-2.5A	25.0W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	50	4.0	1.0	UL/CUL/TUV/CE	22.95	19.51	14.63	
212338	Mean Well	PD-25A	+5V@0.2-2.5A; +12V@0.1-1.5A	25.0W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	50	1.0	0.5	UL/CUL/TUV/CE	22.35	21.50	19.74	
212330	Mean Well	PD-25B	+5V@0.2-2A; +24V@0.1-1A	25.2W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	50	1.0	0.5	UL/CUL/TUV/CE	20.69	19.95	18.31	
148690	Mean Well	PD-2512	+12V@0.1-1.2A; -12V@0.1-1A	24.0W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	50	3.0	0.5	UL/CUL/TUV/CE	24.85	22.99	19.99	
1918972	Mean Well	PS-35-5	+5V @ 0-6.0A	30.0W	90-264@47-440	4.0x2.0x0.94	3.75x1.75x0.13	100	1.0	0.5	UL/CUL/TUV/CE/CB	26.95	23.95	21.95	
1918956	Mean Well	PS-35-12	+12V @ 0-3.0A	36.0W	90-264@47-440	4.0x2.0x0.94	3.75x1.75x0.13	120	0.5	0.5	UL/CUL/TUV/CE/CB	26.95	23.95	21.95	
1919019	Mean Well	PS-35-15	+15V @ 0-2.4A	36.0W	90-264@47-440	4.0x2.0x0.94	3.75x1.75x0.13	150	0.5	0.5	UL/CUL/TUV/CE/CB	26.95	23.95	21.95	
1919035	Mean Well	PS-35-24	+24V @ 0-1.5A	36.0W	90-264@47-440	4.0x2.0x0.94	3.75x1.75x0.13	200	0.5	0.5	UL/CUL/TUV/CE/CB	26.95	23.95	21.95	
210841	Power-One	MAP42-1005	+5V@0-8A	40.0W	120-240@50-60	5.0x3.0x1.3	4.6x2.6x0.16	50	1.0	0.2	UL/CSA/TUV/CE	17.95	15.95	12.95	
217332	Mean Well	PS-45-5	+5V@0-8A	40.0W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	100	3.0	1.0	UL/CUL/TUV/CE	24.95	22.65	20.39	
213728	Mean Well	PS-45-12	+12V@0-3.7A	44.4W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	100	2.0	1.0	UL/CUL/TUV/CE	24.95	22.65	20.39	
374353	Mean Well	PS-45-15	+15V@0-3.5A	45.0W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	100	3.0	1.0	UL/CUL/TUV/CE	24.95	22.65	20.39	
213720	Mean Well	PS-45-24	+24V@0-1.9A	45.6W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	100	2.0	1.0	UL/CUL/TUV/CE	24.95	22.65	20.39	
194862	Mean Well	PD-45A	+5V@0.4-3.2A; +12V@0.2-2	40.0W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	50	3.0	1.0	UL/CUL/TUV/CE	24.95	22.46	20.21	
194871	Mean Well	PD-45B	+5V@0.4-3.2A; +24V@0.2-1.2A	44.8W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	50	3.0	1.0	UL/CUL/TUV/CE	24.95	21.21	15.91	
88402	Mean Well	PT-45B	+5V@0.4-3A; +12V@0.2-2A; -12V@0-0.3A	45.0W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	50	3.0	1.0	UL/CUL/TUV/CE	32.35	24.94	22.56	
229122	Philhong	PSA4531	+5V@0-4A; +12V@0-1.5A; -12V@0-0.5A	44.0W	90-264@47-63	5.0x3.0x1.2	4.56x2.55x0.15	50	2.0	1.0	UL/CSA/TUV/CE	32.09	28.91	26.00	
229147	Philhong	PSA4541	+5V@0-3A; +12V@0-2A; -5V@0-0.5A; -12V@0-0.5A	47.5W	90-264@47-63	5.0x3.0x1.2	4.56x2.55x0.15	50	2.0	2.0	UL/CSA/TUV/CE	29.95	26.95	23.95	
226211	Philhong	PSA-60-302	+5V@6A; +12V@1.2A; -12V@1.2A	60.0W	100-240@50-60	5.0x3.0x1.6	4.5x2.5x0.15	50	2.0	2.0	UL/CSA/VDI	14.95	12.95	10.95	

* Primary Output Blue Part No. = Limited Quantity Available

**Over 99% of Our Catalog
Products Are In Stock**

Place your order by 6PM EST for
same business-day shipment.

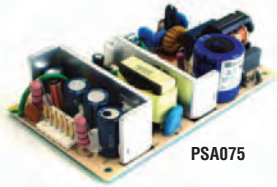
RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. This product has a RoHS equivalent, manufacturer may vary.

Additional Open-Frame Power Supplies are available online at www.Jameco.com/Power

• Universal input



PS-65



PSA075



PPS-125



Enclosed Power Supplies
on pages 114-120.

65 to 150-Watt Open-Frame Power Supplies

65-Watt PS-65, PD-65 & PT-65 Series: Single, Dual & Triple Outputs

- Load & Line regulation: $\pm 1.0\%$ to $\pm 4.0\%$
- Voltage adjustment: 10%
- Working temp.: -10°C to $+60^{\circ}\text{C}$
- Size: 5.0"L x 3.0"W x 1.65"H
- Inrush current: 20A @ 120VAC
- Two-year warranty
- Weight: 0.6 lbs.



75-Watt PSA075 Series: Single Output

- Universal AC input
- Efficiency: +5V-65%; +12V-70%
- Inrush current: 40A@120VAC; 80A@240VAC
- Size: 5.0"L x 3.0"W x 1.3"H
- 200CFM forced air required
- Operating temp.: 0°C to 50°C
- Overvoltage, short-circuit protection

75-Watt LPS-75 Series: Single Output

- Universal AC input
- Line regulation: $\pm 1.0\%$
- Inrush current: 24A@120VAC
- Size: 8.74"L x 2.16"W x 1.18"H
- Built-in remote: $\pm 2.0\%$
- Working temp.: -20°C to $+60^{\circ}\text{C}$
- Voltage adjustment: 10%
- Weight: 0.5 lbs.
- Load regulation: $\pm 2.0\%$
- Two-year warranty

100-Watt LPS-100 Series: Single Output

- Auto-switch AC input
- Line regulation: $\pm 0.5\%$
- Working temperature: -10°C to $+60^{\circ}\text{C}$
- Inrush current: 30A @ 120VAC
- Load regulation: $\pm 1.5\%$, except 173463: $\pm 0.5\%$
- No minimum load required
- Voltage adjustment: 10%
- Weight: 0.8 lbs.
- Size: 8.74"L x 2.44" x 1.25"W
- Three-year warranty



120 Watt PSA-120 Series: Single Output

- Universal AC input
- Operating temp.: 0°C to 50°C
- Efficiency: +5V-70%; +12V-75%; +24V-78%
- Inrush current: 30A@115VAC; 60A@240VAC
- 30CFM forced air required
- Overload, short-circuit protection
- Size: 5.0"L x 3.0"W x 1.3"H



125-Watt PPS-125 Series: Single Output

- Universal AC input
- Working temp.: -40°C to $+85^{\circ}\text{C}$
- Load regulation: $\pm 1.0\%$
- Size: 5.0"L x 3.0"W x 1.4"H



150-Watt LPP-150 Series: Single Output

- Voltage adjustment: 10%
- Load regulation: 213681 $\pm 1.0\%$; 213672 & 216646: $\pm 0.5\%$
- Mating connector: P/N 215950, see web
- Size: 8.74"L x 2.95"W x 1.61"H
- Auto-switch AC input



Call for special versions and large quantities

For Complete Specifications visit www.Jameco.com

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.)	Ripple & Noise (mV p-p)*	Load Reg. ($\pm\%$)*	Line Reg. ($\pm\%$)*	Certification	Pricing		
			Voltage@Current (min-max)	Power								1	10	25
148639	Mean Well	PS-65-12	+12V@0-5.2A	62.4W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	\$27.89	\$25.29	\$21.99
374380	Mean Well	PS-65-13.5	+13.5V@0-5.4A	63.5W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95
216751	Mean Well	PS-65-15	+15V@0-4.2A	63.0W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95
148647	Mean Well	PS-65-24	+24V@0-2.7A	64.8W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95
201946	Mean Well	PS-65-27	+27V@0-2.4A	64.8W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95
201954	Mean Well	PS-65-48	+48V@0-1.35A	64.8W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95
194889	Mean Well	PD-65A	+5V@0.4-7A; +12V@0.2-3.2A	61.1W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	50	3.0	1.0	UL/CUL/TUV/CE	28.89	26.39	23.09
194897	Mean Well	PD-65B	+5V@0.4-3.5A; +24V@0.2-2A	65.5W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	50	3.0	1.0	UL/CUL/TUV/CE	32.79	27.71	24.25
692377	Autec	UPS65-1002	+5V@0.5-3.5A; +12V@0.1-4A	65.0W	90-260@47-63	6.0x3.5x1.5	4.8x3.2x0.16	50	2.0	0.5	UL/CSA/TUV	9.95	7.95	5.95
216734	Mean Well	PT-65B	+5V@0.4-5.5A; +12V@0.2-2.5A -12V@0-0.5A	63.5W	90-264@47-440	5.0x3.0x1.7	4.6x2.6x0.15	50	3.0	1.0	UL/CUL/TUV/CE	33.79	30.45	27.39
216726	Mean Well	PT-65C	+5V@0.4-5.5A; +15V@0.2-2A; -15V@0-0.5A	65.0W	90-264@47-440	5.0x3.0x1.7	4.6x2.6x0.15	50	3.0	1.0	UL/CUL/TUV/CE	33.79	30.45	27.39
215707	Mean Well	PT-65D	+5V@0.5-4A; +12V@0.2-2A; +24V@0.2-1A	65.0W	90-264@47-440	5.0x3.0x1.7	4.6x2.6x0.15	50	2.0	1.0	UL/CUL/TUV/CE	33.79	30.45	27.39
1586285	Phihong	PSA075-050-R	+5V@0-11A	55.0W	90-264@47-63	5.0x3.0x1.2	4.6x2.6x0.16	100	3.0	1.0	UL/CUL/TUV/CE	29.55	28.64	27.82
1586293	Phihong	PSA075-120-R	+12V@0-6.25A	75.0W	90-264@47-63	5.0x3.0x1.2	4.6x2.6x0.16	120	2.0	1.0	UL/CUL/TUV/CE	29.55	28.64	27.82
244727	Mean Well	LPS-75-24	+24V@0-3.5A	76.8W	90-264@47-63	8.7x2.2x1.2	8.4x1.8x0.15	120	1.0	1.0	UL/CUL/TUV/CE	34.95	29.95	25.95
173472	Mean Well	LPS-100-12	+12V@0-8.4A	100.8W	88-264@47-63	8.7x2.4x1.3	8.4x2.1x0.14	100	1.5	0.5	UL/CUL/TUV/CE	55.89	52.92	50.27
173463	Mean Well	LPS-100-24	+24V@0-4.2A	100.8W	88-264@47-63	8.7x2.4x1.3	8.4x2.1x0.14	150	0.5	0.5	UL/CUL/TUV/CE	55.89	47.51	35.63
216710	Mean Well	LPS-100-48	+48V@0-2.1A	100.8W	88-264@47-63	8.7x2.4x1.3	8.4x2.1x0.14	200	0.5	0.5	UL/CUL/TUV/CE	52.95	45.01	34.49
237024	Lite-On	PA-1101-1	+12V@2-8.5A	102.0W	85-264@47-63	6.0x4.0x1.3	—	1200	10.0	1.0	UL/CUL/TUV/CE	19.95	17.95	14.95
1586331	Phihong	PSA120-050-R	+5V@0-15A	75.0W	40-264@47-63	5.0x3.0x1.2	4.5x2.5x0.16	100	2.0	1.0	UL/CUL/TUV/CE	59.99	57.39	55.54
1586349	Phihong	PSA120-120-R	+12V@0-10A	120.0W	40-264@47-63	5.0x3.0x1.2	4.5x2.5x0.16	120	2.0	1.0	UL/CUL/TUV/CE	59.99	57.39	55.54
1586357	Phihong	PSA120-250-R	+24V@0-5A	120.0W	40-264@47-63	5.0x3.0x1.2	4.5x2.5x0.16	240	2.0	1.0	UL/CUL/TUV/CE	59.99	57.39	55.54
374089	Mean Well	PPS-125-12	+12V@0-10.5A	126.0W	90-264@47-63	5.0x3.0x1.4	4.6x2.6x0.14	100	1.0	0.5	UL/CUL/TUV/CE	93.99	79.84	74.45
301429	Mean Well	PPS-125-24	+24V@0-5.2A	124.8W	90-264@47-63	5.0x3.0x1.4	4.6x2.6x0.14	150	1.0	0.5	UL/CUL/TUV/CE	93.99	79.84	74.45
213681	Mean Well	LPP-150-12	+12V@0-12.5A	150.0W	85-264@47-63	8.7x2.4x1.6	8.3x2.6x0.15	100	1.0	0.5	UL/CUL/TUV/CE	71.85	61.07	45.80
213672	Mean Well	LPP-150-24	+24V@0-6.3A	150.0W	85-264@47-63	8.7x2.4x1.6	8.3x2.6x0.15	150	0.5	0.5	UL/CUL/TUV/CE	74.49	67.83	64.44
216646	Mean Well	LPP-150-48	+48V@0-3.2A	153.6W	85-264@47-63	8.7x2.4x1.6	8.3x2.6x0.15	250	0.5	0.5	UL/CUL/TUV/CE	74.59	70.41	66.89

* Primary Output

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. This product has a RoHS equivalent, manufacturer may vary.

200 to 225W Open-Frame Switching AC-to-DC Power Supplies

Additional Open-Frame Power Supplies are available online at www.Jameco.com/Power

200 to 225-Watt Open-Frame Power Supplies

Enclosed Power Supplies below & pages 115-120.

- 100% full burn-in test
- Line regulation: $\pm 0.5\%$
- Three-year warranty



USP-225

UL US CE CB

200-Watt PPS-200 Series: Single Output

- High efficiency up to 90% (typical)
- Free air convection for 150W; 20.5 CFM forced air for 200W
- Short-circuit, overload, overvoltage protection
- Mating connector: P/N 104433, pg 73
- PWM control & regulated
- Size: 5.0"L x 3.0"W x 1.4"H
- Load regulation: $\pm 1.0\%$

225-Watt U Bracket Type USP-225 Series: Single Output

- Active AC surge current limiting
- Load regulation: $\pm 1.0\%$
- Short-circuit, overload, overvoltage, overtemperature protection
- Size: 8.0"L x 4.0"W x 1.5"H
- Free air convection for 150W and forced air convection for 225W
- Mating connectors: P/N 104433 or 463435 (input), pg 73 & web; P/N 364832 (output), see web
- Working temperature: -20°C to +65°C



Performance
at Value Prices

For Complete Specifications visit www.Jameco.com

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing	
			Voltage@Current (min-max)	Power				1	10
668713	Mean Well	PPS-200-12	+12V@0-16.6A	199.2W	90-264@47-63	100	UL/CUL/TUV/CE	\$105.89	\$99.69
668721	Mean Well	PPS-200-15	+15V@0-13.3A	199.5W	90-264@47-63	100	UL/CUL/TUV/CE	149.59	145.09
668730	Mean Well	PPS-200-24	+24V@0-8.3A	199.2W	90-264@47-63	150	UL/CUL/TUV/CE	144.19	139.85
694495	Mean Well	USP-225-24	+24V@0-9.4A	225.6W	90-264@47-63	150	UL/CUL/TUV/CE/CB	128.39	122.50

* Primary Output

Call for special versions and large quantities

15 to 25W Enclosed Switching AC-to-DC Power Supplies

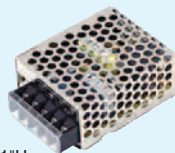
Additional Open-Frame Power Supplies are available online at www.Jameco.com/Power

15-Watt Enclosed

RS-15 Series

- LED indicator for power on
- All using 105°C long life electrolytic capacitors
- Withstands 300VAC surge input for 5 seconds
- Universal AC input/full range
- Working temp. range: -20°C to 70°C
- Cooling by free air convection
- Size: 2.46"L x 2.0"W x 1.1"H
- Inrush current: 50A/240VAC
- 100% full burn-in test
- Three-year warranty

UL US CE CB



25-Watt Enclosed

S-25 Series: Single Output

- 100% full-load burn-in
- Voltage adjustment: 10%
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- Mating connector: 103588, pg 87
- See www.Jameco.com for specifications
- No minimum load required
- 1.2 watts/in³ maximum
- Working temp.: -10°C to +60°C
- Two-year warranty

UL US CE



25-Watt Enclosed RS-25 Series: Single Output

- New smaller design: 3.0" x 2.0" x 1.1"
- 100% full-load burn-in
- Cooling by free air convection
- High operating temperature up to 70°C
- Universal AC input: 88-264VAC @ 47-63Hz
- Short-circuit, overload, overvoltage protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- Mating connector: 103588, pg 87
- 3.66 watts/in³ power density
- 105°C output capacitors
- Three-year warranty

UL US CE CB



Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
689848	Metapo	1M150C05-1M	+5V@0-3.0A	15.0W	100	0.5	1.0	UL/CUL/TUV/CE	\$19.95	\$17.95	\$14.95
692422	Volgen	SX15U-05S	+5V@3.0A	15.0W	100	—	—	UL/CSA	15.95	13.95	11.95
1919043	Meanwell	RS-15-5	+5V@0-3.0A; 85-264@47-63	15.0W	80	1.5	0.5	UL/CUL/TUV/CE/CB	24.95	22.95	20.95
1919051	Meanwell	RS-15-12	+12@0-1.3A; 85-264@47-63	15.6W	120	0.5	0.5	UL/CUL/TUV/CE/CB	24.95	22.95	20.95
1919060	Meanwell	RS-15-15	+15@0-1.0A; 85-264@47-63	15.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	24.95	22.95	20.95
1919078	Meanwell	RS-15-24	+24@0-0.625A; 85-264@47-63	15.0W	200	0.5	0.5	UL/CUL/TUV/CE/CB	24.95	22.95	20.95
693193	Mean Well	RS-25-3.3	+3.3V@0-6A	19.8W	80	2	0.5	UL/CUL/TUV/CE/CB	29.95	25.95	24.95
323282	Mean Well	RS-25-5	+5V@0-5A	25.0W	80	1	0.5	UL/CUL/TUV/CE/CB	29.95	25.95	24.95
323300	Mean Well	RS-25-12	+12V@0-2.1A	25.2W	120	0.5	0.5	UL/CUL/TUV/CE/CB	29.95	25.95	24.95
323302	Mean Well	RS-25-15	+15V@0-1.7A	25.5W	120	0.5	0.5	UL/CUL/TUV/CE/CB	29.95	25.95	24.95
323311	Mean Well	RS-25-24	+24V@0-1.1A	26.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	29.95	25.95	24.95
123247	Mean Well	S-25-5	+5V@0-5A	25.0W	50	1	0.5	UL/TUV/CE	30.59	27.49	24.75
123255	Mean Well	S-25-12	+12V@0-2.1A	25.2W	100	0.5	0.5	UL/TUV/CE	30.59	27.49	24.75
123262	Mean Well	S-25-15	+15V@0-1.7A	25.5W	100	0.5	0.5	UL/TUV/CE	30.59	27.49	24.75
123272	Mean Well	S-25-24	+24V@0-1.1A	26.4W	100	0.5	0.5	UL/TUV/CE	30.59	27.49	24.75

* Primary Output

Call for special versions and large quantities

We're Listening to Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Enclosed Power Supplies are available online at www.Jameco.com/Power

35-Watt Enclosed

RS-35 & RD-35 Series: Single & Dual Output

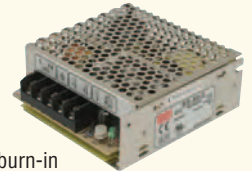
- New smaller design: 3.9" x 3.2" x 1.4"
- 2 watts/in³ power density
- 105°C output capacitors
- Universal AC input: 88-264VAC @ 47-63Hz
- Short-circuit, overload, overvoltage protection
- Cooling by free air convection
- Withstanding voltage of 300VAC surge input for 5 seconds
- Mating connector: 103588, pg 87
- 100% full-load burn-in
- Three-year warranty
- High operating temperature up to 70°C



50-Watt Enclosed

RS-50, RD-50, RT-50, & RQ-50 Series: Single, Dual, Triple & Quad Output

- Short-circuit/overload/overvoltage protection
- Withstanding 300VAC surge input for 5 seconds
- Universal AC input/full range
- Cooling by free air connection
- 100% full-load burn-in
- Three-year warranty



40-Watt Enclosed

S-40 & T-40 Series: Single & Triple Output

- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- 1.6 watts/in³ maximum
- Voltage adjustment: 10%
- Mating connector: P/N 103588, pg 87
- Working temperature: -10°C to +60°C
- Mounting hardware: use P/Ns 222122, 222156 & 222173 (see web)
- Two-year warranty



60-Watt Enclosed

For Indoor and Outdoor Applications

- Built-in active PFC
- Suitable for LED lighting & moving sign application
- Short-circuit/overload/overvoltage/overtemperature protection
- Universal AC input/full range
- UL1310 class 2 power unit
- 100% full burn in test
- Cooling by free air convection
- Inrush current: 40A/230VAC



PLN-60 Series

- Line and load regulation: ±4%; ±10%
- Working temp. range: -30°C to 50°C
- Size: 7.13"L x 2.42"W x 1.38"H
- Two-year warranty

CLG-60 Series

- Line and load regulation: ±4%; ±10%
- Working temp. range: -30°C to 70°C
- Size: 6.77"L x 2.42"W x 1.54"H
- Three-year warranty

For Complete Specifications visit www.Jameco.com



For PC Power Supplies, see page 140.

Open-Frame Power Supplies
on pages 111-114.

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
323329	Mean Well	RS-35-5	+5V@0-7A	35.0W	80	1	0.5	UL/CUL/TUV/CE/CB	\$37.99	\$31.95	\$31.75
323337	Mean Well	RS-35-12	+12V@0-3A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.99	31.95	31.75
323345	Mean Well	RS-35-15	+15V@0-2.4A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.99	31.95	31.75
323353	Mean Well	RS-35-24	+24V@0-1.5A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.99	31.95	31.75
323362	Mean Well	RD-35A	+5V@0.3-4A; +12V@0.2-1A	32.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	40.19	35.28	33.53
323380	Mean Well	RD-35B	+5V@0.3-4A; +24V@0.2-1.3A	51.2W	80	0.5	0.5	UL/CUL/TUV/CE/CB	40.19	35.28	33.52
689805	Metapo	1M041C05-1M	+5V@0-8.0A	40.0W	75	—	—	UL/CUL/TUV/CE	24.95	22.49	19.95
123290	Mean Well	S-40-5	+5V@0-8A	40.0W	75	1	0.5	UL/CUL/TUV/CE/CB	35.95	32.39	29.15
689830	Metapo	1M041C12-1M	+12V@0-3.5A	42.0W	100	—	—	UL/CUL/TUV/CE	24.95	22.49	19.95
123298	Mean Well	S-40-12	+12V@0-3.5A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	35.95	32.39	29.15
202140	Mean Well	S-40-15	+15V@0-2.8A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	35.95	32.39	29.15
689792	Metapo	1M041C24-1M	+24V@0-1.8A	43.0W	100	—	—	UL/CUL/TUV/CE	24.95	22.95	19.95
123319	Mean Well	S-40-24	+24V@0-1.8A	43.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	35.95	32.39	29.15
201989	Mean Well	T-40A	+5V@0.6-3A; +12V@0.2-2A; -5V@0.1-0.5A	41.5W	100	0.5	0.5	CSA/CE	43.89	42.55	35.02
201997	Mean Well	T-40B	+5V@0.6-3A; +12V@0.2-2A; -12V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	45.19	42.10	37.90
202009	Mean Well	T-40C	+5V@0.6-3A; +15V@0.2-1.5A; -15V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	43.19	41.99	38.28
693231	Mean Well	RS-50-3.3	+3.3V@0-10A	33.0W	80	2	0.5	UL/CUL/TUV/CE/CB	40.59	34.65	32.89
689784	Metapo	1M051C05-0M	+5V@10.0A	50.0W	—	—	—	UL/CUL	24.95	22.95	19.95
323388	Mean Well	RS-50-5	+5V@0-10A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	40.59	34.65	32.89
689821	Metapo	1M051C12-1M	+12V@0-4.2A	50.0W	100	—	—	UL/CUL/TUV/CE	24.95	22.95	19.95
323396	Mean Well	RS-50-12	+12V@0-4.2A	50.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	40.59	34.65	32.89
323409	Mean Well	RS-50-15	+15V@0-3.4A	51.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	40.59	34.65	32.89
323417	Mean Well	RS-50-24	+24V@0-2.2A	52.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	40.59	34.65	32.89
693249	Mean Well	RS-50-48	+48V@0-1.1A	52.8W	200	0.5	0.5	UL/CUL/TUV/CE/CB	40.59	34.65	32.89
323425	Mean Well	RD-50A	+5V@0.3-6A; +12V@0.3-3A	54.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.55	37.62	35.74
323433	Mean Well	RD-50B	+5V@0.3-6A; +24V@0.2-2A	53.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.15	36.68	27.51
323460	Mean Well	RT-50B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	45.55	39.60	37.62
323468	Mean Well	RT-50C	+5V@0-5A; +15V@0.2-2A; -15V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323492	Mean Well	RQ-50D	+5V@0.5-6A; +12V@0.2-1.5A; +24V@0.1-1A; -12V@0-1A	53.4W	80	0.5	0.5	UL/CUL/TUV/CE/CB	47.05	39.99	29.99
1918913	Mean Well	PLN-60-12	+12 @ 0-5.0A	60.0W	2.0	—	—	UL/CUL/TUV/CE	77.95	69.95	62.95
1918964	Mean Well	PLN-60-15	+15 @ 0-4.0A	60.0W	2.4	—	—	UL/CUL/TUV/CE	77.95	69.95	62.95
1918981	Mean Well	PLN-60-24	+24 @ 0-2.5A	60.0W	2.7	—	—	UL/CUL/TUV/CE	77.95	69.95	62.95
1918921	Mean Well	CLG-60-12	+12 @ 0-5.0A	60.0W	2.0	—	—	UL/CUL/TUV/CE	96.95	85.95	76.95
1919001	Mean Well	CLG-60-15	+15 @ 0-4.0A	60.0W	2.4	—	—	UL/CUL/TUV/CE	96.95	85.95	76.95
1919027	Mean Well	CLG-60-24	+24 @ 0-2.5A	60.0W	2.7	—	—	UL/CUL/TUV/CE	96.95	85.95	76.95
689768	Potrans	FS-06005-0M	+5V@0-12.0A	60.0W	120	—	—	UL/CUL/CE	24.95	22.95	19.95



* Primary Output

Lowest Price Guarantee

Have you found a product at a lower print-advertised price?
We'll beat that price by 10% right down to our cost!

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

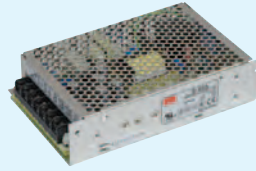
60 to 100-Watt Enclosed Switching AC-to-DC Power Supplies

Additional Enclosed Power Supplies are available online at www.Jameco.com/Power

60-Watt Enclosed

S-60, D-60, T-60 & Q-60 Series:
Single, Dual, Triple & Quad Outputs

- 100% full-load burn-in
- 1.7 watts/in³ max
- Universal AC input: 88-264VAC @ 47-63Hz
- Voltage adjustment: 10%



65-Watt Enclosed

RD-65, RT-65 & RQ-65 Series:
Dual, Triple & Quad Outputs

- 100% full-load burn-in
- 105°C output capacitors
- Universal AC input: 88-264VAC @ 47-63Hz
- High operating temperature up to 70°C



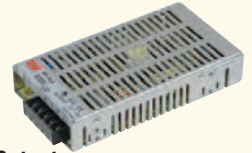
75 & 85-Watt Enclosed with Power Factor Correction

RS-75 Series: Single Output

SP-75 Series: Single Output

RD-85; RT-85 & RQ-85 Series: Dual & Triple Output

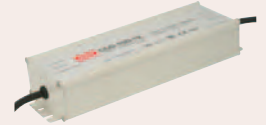
- 100% full-load burn-in • 1.7 watts/in³ max
- Universal AC input 88-264VAC @ 47-63Hz • Voltage adjustment: 10%



100-Watt Enclosed w/ PFC

CLG-100 Series: Single Output

- Universal AC input/full range
- Three-year warranty
- Safety standard UL1310 Class 2, IP67



100-Watt Enclosed PLN-100 Series: Single Output, Indoor and Outdoor Applications

- Suitable for LED lighting & moving sign application
- UL1310 class 2 power unit
- Cooling by free air convection
- Line and load regulation: ±1%; ±2%
- Working temperature range: -30°C to 50°C
- Built-in active PFC
- Inrush current: 40A/230VAC
- Short-circuit/overload/overvoltage/overtemperature protection
- Size: 7.87"L x 2.78"W x 1.38"H
- Two-year warranty
- 100% full burn in test
- Universal AC input/full range



For Complete Specifications visit www.Jameco.com



Performance
at Value Prices



For PC Power Supplies, see page 140.

Open-Frame Power Supplies
on pages 111-114.

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p) *	Load Reg. (±%) *	Line Reg. (±%) *	Certification	Pricing <small>QUANTITY SAVE</small>		
			Voltage@Current (min-max)	Power					1	10	25
123327	Mean Well	S-60-5	+5V@0-12A	60.0W	120	1	0.5	UL/CUL/TUV/CE/CB	\$58.29	\$44.82	\$40.28
123335	Mean Well	S-60-12	+12V@0-5A	60.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	58.29	44.82	40.28
123343	Mean Well	S-60-15	+15V@0-4A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	53.95	41.50	37.30
123352	Mean Well	S-60-24	+24V@0-2.5A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	58.29	44.82	40.28
123458	Mean Well	D-60A	+5V@0.3-4A; +12V@0.2-3A	56.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	45.95	44.49	43.25
123466	Mean Well	D-60B	+5V@0.3-3A; +24V@0.2-1.8A	58.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	45.19	43.79	39.99
123482	Mean Well	T-60B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0-0.5A	61.0W	100	1	0.5	UL/CUL/TUV/CE/CB	61.49	49.82	44.84
123491	Mean Well	T-60C	+5V@0.5-5A; +15V@0.2-2A; -15V@0-0.5A	62.5W	100	1	0.5	UL/CUL/TUV/CE/CB	61.49	48.82	44.84
147046	Mean Well	Q-60B	+5V@0.5-5.5A; +12V@0.1-2A; -5V@0-0.5A; -12V@0-0.5A	60.0W	100	0.5	0.5	UL/CUL/CE/CB	68.59	57.09	51.39
323505	Mean Well	RD-65A	+5V@0.3-8A; +12V@0.2-4A	66.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	47.05	40.18	38.17
323513	Mean Well	RD-65B	+5V@0.3-8A; +24V@0.2-3A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	47.55	40.42	30.32
323540	Mean Well	RT-65B	+5V@0.5-8A; +12V@0.2-3.5A; -12V@0-1A	64.6W	80	1	0.5	UL/CUL/TUV/CE/CB	49.95	47.55	45.55
323548	Mean Well	RT-65C	+5V@0.5-8A; +15V@0.2-3A; -15V@0-1A	65.5W	80	1	0.5	UL/CUL/TUV/CE/CB	49.95	47.55	45.55
323564	Mean Well	RQ-65B	+5V@0.5-8A; +12V@0.2-3A; -5V@0-1A; -12V@0-1A	62.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	48.45	40.85	38.85
323572	Mean Well	RQ-65D	+5V@0.5-8A; +12V@0.2-3A; +24V@0.1-1.5A; -12V@0-1A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	48.95	41.26	39.24
693257	Mean Well	RS-75-3.3	+3.3V@0-15A	49.5W	80	2	0.5	UL/CUL/TUV/CE/CB	45.95	38.95	37.95
323581	Mean Well	RS-75-5	+5V@0-12A	60.0W	80	1	0.5	UL/CUL/TUV/CE/CB	35.95	32.95	29.95
323599	Mean Well	RS-75-12	+12V@0-6A	72.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	45.95	38.95	37.95
323602	Mean Well	RS-75-15	+15V@0-5A	75.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	45.95	38.95	37.95
323620	Mean Well	RS-75-24	+24V@0-3.2A	76.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	45.95	38.95	37.95
194830	Mean Well	SP-75-5	+5V@0-15A	75.0W	80	1	0.5	UL/CUL/TUV/CE/CB	71.95	64.76	58.28
194838	Mean Well	SP-75-12	+12V@0-6.3A	75.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	79.59	75.25	72.95
194845	Mean Well	SP-75-15	+15V@0-5A	75.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	39.95	35.95	32.95
194854	Mean Well	SP-75-24	+24V@0-3.2A	76.8W	100	0.5	0.5	UL/CUL/TUV/CE/CB	79.59	75.25	72.95
693409	Mean Well	SP-75-27	+27V@0-2.8A	75.6W	100	0.5	0.5	UL/CUL/TUV/CE/CB	78.45	66.68	50.01
323628	Mean Well	RD-85A	+5V@2-10A; +12V@0.3-5A	88.0W	80	1	0.5	UL/CUL/TUV/CE/CB	67.29	57.42	54.55
323661	Mean Well	RT-85C	+5V@2-10A; +15V@0.3-4A; -15V@0-1A	87.5W	80	1	0.5	UL/CUL/TUV/CE/CB	72.55	61.67	46.25
323695	Mean Well	RD-85D	+5V@2-10A; +12V@0.3-4A; +24V@0.1-1.5A; -12V@0-1A	84.0W	80	1	0.5	UL/CUL/TUV/CE/CB	74.49	62.72	59.58
1585864	Mean Well	CLG-100-20	+20V@0-4.8A	96.0W	150	2	1	UL/CUL/TUV/CE	99.95	95.95	89.95
1585872	Mean Well	CLG-100-24	+24V@0-4A	96.0W	150	2	1	UL/CUL/TUV/CE	136.99	111.17	91.17
1585733	Mean Well	CLG-100-27	+27V@0-3.55A	95.85W	150	2	1	UL/CUL/TUV/CE	99.95	95.95	89.95
1585750	Mean Well	CLG-100-36	+36V@0-2.65A	95.4W	150	2	1	UL/CUL/TUV/CE	99.95	95.95	89.95
1918833	Mean Well	PLN-100-12	+12 @ 0-5.0A	60.0W	150	—	—	UL/CUL/TUV/CE	107.75	93.95	81.95
1918841	Mean Well	PLN-100-15	+15 @ 0-5.0A	75.0W	150	—	—	UL/CUL/TUV/CE	107.75	93.95	81.95
1918868	Mean Well	PLN-100-24	+24 @ 0-4.0A	96.0W	150	—	—	UL/CUL/TUV/CE	107.75	93.95	81.95

* Primary Output ⚡ Blue Part No. = Limited Quantity Available

RoHS compliant product ⚡ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Enclosed Power Supplies are available online at www.Jameco.com/Power

100-Watt Enclosed

S-100F Series: Single Output

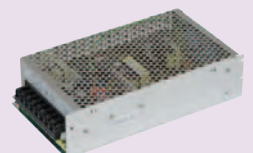
- 100% full-load burn-in
- Input voltage: 88-132/176-264VAC@47-63Hz
- No minimum load required
- Two-year warranty



120-Watt Enclosed

D-120 & Q-120 Series: Dual & Quad Outputs

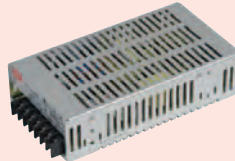
- 100% full-load burn-in
- 1.9 watts/in³ max.
- Input volt.: 88-132/176-264VAC@47-63Hz
- Two-year warranty



100-Watt Enclosed with Power Factor Correction

SP-100 & TP-100 Series: Single & Triple Outputs

- 100% full-load burn-in
- Universal AC input
- Input voltage: 86-264VAC@47-63Hz
- 2.0 watts/in³ max.
- Three-year warranty



125 & 150-Watt Enclosed

- 100% full-load burn-in
- Three-year warranty

RD-125, RT-125 Series: Dual & Triple Outputs

RS-150 Series: Single Output

- New smaller design: 7.8" x 3.9" x 1.5"
- Input volt.: 88-132/176-264VAC@47-63Hz
- Cooling by free air convection
- No minimum load required



100-Watt Enclosed

RS-100 Series: Single Output

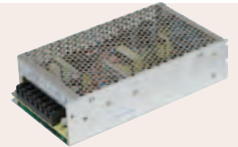
- 100% full-load burn-in
- Universal AC input/full range
- Three-year warranty



150-Watt Enclosed

S-150 Series: Single Output

- 100% full-load burn-in
- No min. load required
- Input volt.: 88-132/176-264VAC@47-63Hz
- Two-year warranty



Performance at Value Prices

NEW MARKED IN PINK

For Complete Specifications visit www.Jameco.com



For PC Power Supplies, see page 140.

Open-Frame Power Supplies on pages 111-114.

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
201971	Mean Well	S-100F-24	+24V@0-4.5A	108.0W	150	0.5	0.5	UL/TUV/CE/CB	\$47.75	\$42.95	\$38.75
216793	Mean Well	S-100F-48	+48V@0-2.2A	105.6W	150	0.5	0.5	UL/TUV/CE/CB	47.75	42.95	38.75
212441	Mean Well	SP-100-3.3	+3.3V@0-20A	66.0W	100	1	0.5	UL/CUL/TUV/CE/CB	55.95	49.95	45.95
194791	Mean Well	SP-100-5	+5V@0-20A	100.0W	100	1	0.5	UL/CUL/TUV/CE/CB	84.95	79.70	75.69
212433	Mean Well	SP-100-15	+15V@0-6.7A	100.5W	100	0.5	0.5	UL/CUL/TUV/CE/CB	90.19	85.26	81.85
194803	Mean Well	SP-100-12	+12V@0-8.5A	102.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	91.09	86.13	84.59
194812	Mean Well	SP-100-24	+24V@0-4.2A	100.8W	150	0.5	0.5	UL/CUL/TUV/CE/CB	92.39	78.53	58.90
213794	Mean Well	TP-100A	+5V@3-10A; +12V@0.4-4A; -5V@0-0.6A	100.0W	100	3	1	UL/CUL/TUV/CE	72.95	66.30	64.46
213778	Mean Well	TP-100C	+5V@3-10A; +15V@0.4-3A; -15V@0-0.6A	104.0W	100	3	1	UL/CUL/TUV/CE/CB	111.15	94.48	70.86
323716	Mean Well	RS-100-12	+12V@0-8.5A	102.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	63.35	54.95	53.95
323724	Mean Well	RS-100-15	+15V@0-7A	105.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	63.95	54.95	53.95
323732	Mean Well	RS-100-24	+24V@0-4.5A	108.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	59.35	54.77
132410	Mean Well	D-120A	+5V@2-12A; +12V@0.5-5A	120.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	79.75	67.79	50.84
132397	Mean Well	D-120B	+5V@2-6A; +24V@0.4-4A	126.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	79.75	66.45	58.93
132389	Mean Well	Q-120B	+5V@2-11A; -5V@0.2-1A; +12V@0.5-4A; -12V@0.2-1A	120.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	85.85	68.41	51.30
132371	Mean Well	Q-120D	+5V@2-8A; +24V@0.2-2A; +12V@0.2-2A; -12V@0.2-1A	124.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	81.55	64.99	57.99
323759	Mean Well	RD-125B	+5V@2-10A; +24V@0.4-5A	133.4W	80	3	1	UL/CUL/TUV/CE/CB	67.95	64.65	52.39
323775	Mean Well	RT-125B	+5V@2-15A; +12V@0.5-6A; -12V@0.1-1A	132.0W	80	1	0.5	UL/CUL/TUV/CE/CB	73.95	70.35	60.85
323783	Mean Well	RT-125C	+5V@2-15A; +15V@0.5-6A; -15V@0.1-1A	132.5W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323792	Mean Well	RT-125D	+5V@2-15A; +12V@0.1-2A; +24V@0.4-4A	136.0W	80	1	0.5	UL/CUL/TUV/CE/CB	78.39	70.52	63.46
693329	Mean Well	RS-150-3.3	+3.3V@0-30.0A	99.0W	80	2	0.5	UL/CUL/TUV/CE/CB	67.35	58.45	55.55
323839	Mean Well	RS-150-12	+12V@0-12.5A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	67.75	58.45	56.99
323847	Mean Well	RS-150-15	+15V@0-10A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	58.45	55.55
323855	Mean Well	RS-150-24	+24V@0-6.5A	156.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	58.45	55.55
323863	Mean Well	RS-150-48	+48V@0-3.3A	158.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	58.45	55.55
1585549	Potrans	FS-15024-IM	+24V@0-6.5A	156.0W	240	—	—	UL/CUL/CE	139.95	129.95	119.95
123394	Mean Well	S-150-5	+5V@0-30A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	51.09	46.89
123415	Mean Well	S-150-7.5	+7.5V@0-20A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	51.09	46.89
123423	Mean Well	S-150-12	+12V@0-12.5A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	57.95	51.09	46.89
202025	Mean Well	S-150-13.5	+13.5V@0-11.2A	151.2W	180	0.3	0.3	UL/CUL/TUV/CE/CB	57.95	51.09	46.89
123432	Mean Well	S-150-15	+15V@0-10A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	57.95	51.09	46.89
123450	Mean Well	S-150-24	+24V@0-6.5A	156.0W	240	0.2	0.2	UL/CUL/TUV/CE/CB	68.59	64.04	62.05
202033	Mean Well	S-150-27	+27V@0-5.6A	151.2W	240	0.2	0.2	UL/CUL/TUV/CE/CB	57.95	51.09	46.89
167346	Mean Well	S-150-48	+48V@0-3.2A	153.6W	240	0.2	0.2	UL/CUL/TUV/CE/CB	57.95	51.09	46.89

* Primary Output

Call for special versions and large quantities

Committed to You

We're committed to providing you with the best service in the industry.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

150 to 320W Enclosed Switching AC-to-DC Power Supplies

Additional Enclosed Power Supplies are available online at www.Jameco.com/Power

150-Watt Enclosed w/ PFC

SP-150 & TP-150 Series: Single & Triple Outputs

- 100% full-load burn-in
- Input: 85-264VAC, 120-370VDC
- Working temperature: -10°C to +60°C
- Mating connector: P/N 103588, pg 87
- Three-year warranty



UL US CE CB

200-Watt Enclosed with Power Factor Correction

SP-200 Series: Single Output

- 100% full-load burn-in
- Built-in fan cooling
- Input: 85-264VAC @ 47-63Hz, 120-370VDC
- Mating connector: P/N 103588, pg 87
- Working temperature: -10°C to +60°C



UL US CE CB

240-Watt Enclosed

S-240 Series: Single Output

- 100% full-load burn-in
- Voltage adjustment: 10%
- Auto cooling fan
- No minimum load required
- Mating connector: P/N 103588, pg 87
- Two-year warranty

- 3.4 watts/in³ maximum
- Input: 88-132/176-264VAC @ 47-63Hz

UL US CE CB



300 & 320-Watt Enclosed with Power Factor Correction

PSP-300 & SP-320 Series: Single Output

- 100% full-load burn-in
- Working temperature: -20°C to 65°C; except P/N 374205
- Auto cooling fan
- Universal AC input
- Voltage adjustment: 10%

- Input: 88-264VAC @ 47-63Hz, 120-370VDC
- No minimum load required
- Three-year warranty

UL US CE CB
































Performance
at Value Prices

For Complete Specifications visit www.Jameco.com

For PC Power Supplies, see page 140.

Open-Frame Power Supplies
on pages 111-114.

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	QUANTITY SAVE 25
201903	Mean Well 	SP-150-3.3	+3.3V@0-30A	99.0W	100	1	0.5	UL/CUL/TUV/CE/CB	\$79.95	\$74.95	\$55.95
201912	Mean Well 	SP-150-5	+5V@0-30A	150.0W	100	1	0.5	UL/CUL/TUV/CE/CB	74.95	63.71	54.03
173421	Mean Well 	SP-150-12	+12V@0-12.5A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	100.95	96.04	94.12
394193	Mean Well 	SP-150-13.5	+13.5V@0-11.2A	151.2W	100	0.5	0.5	UL/CUL/TUV/CE/CB	100.95	96.04	92.19
173412	Mean Well 	SP-150-15	+15V@0-10A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	91.21	85.70
173404	Mean Well 	SP-150-24	+24V@0-6.3A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	101.99	97.02	94.12
201930	Mean Well 	SP-150-48	+48V@0-3.2A	153.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB	100.95	96.04	94.12
213832	Mean Well 	TP-150C	+5V@2-15A; +15V@0.4-4.5A; -15V@0-0.6A	151.5W	100	3	1	UL/CUL/TUV/CE/CB	109.95	99.95	89.95
1585557	Metapo	IM201C12-IM-02	+12V@0-16.6A	200.0W	120	—	—	UL/CUL/TUV/CE	49.95	44.95	39.95
689750	Potrans	FS-20024-1M	+24V@0-8.3A	200.0W	150	—	—	UL/CSA/CE/TUV	49.95	44.95	39.95
202042	Mean Well 	SP-200-5	+5V@0-40A	200.0W	100	1	0.5	UL/CUL/TUV/CE/CB	114.85	107.91	102.55
194774	Mean Well 	SP-200-12	+12V@0-16.7A	200.4W	100	0.5	0.5	UL/CUL/TUV/CE/CB	112.49	105.73	102.55
212410	Mean Well 	SP-200-13.5	+13.5V@0-14.9A	201.1W	100	0.5	0.5	UL/CUL/TUV/CE/CB	113.69	106.82	102.55
202060	Mean Well 	SP-200-15	+15V@0-13.4A	201.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	109.95	95.95	71.95
194782	Mean Well 	SP-200-24	+24V@0-8.4A	201.6W	150	0.5	0.5	UL/CUL/TUV/CE/CB	113.69	106.82	102.55
693548	Mean Well 	SP-200-27	+27V@0-7.5A	202.5W	150	0.5	0.5	UL/CUL/TUV/CE/CB	114.85	107.91	97.12
202068	Mean Well 	SP-200-48	+48V@0-4.2A	201.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB	113.69	106.82	102.55
693556	Mean Well 	S-240-7.5	+7.5V@0-30.0A	225.0W	200	1	0.5	UL/CUL/TUV/CE/CB	79.95	74.95	69.95
137649	Mean Well 	S-240-12	+12V@0-18A	216.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	106.85	100.94	98.92
202075	Mean Well 	S-240-15	+15V@0-15A	225.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	107.35	91.25	68.44
137657	Mean Well 	S-240-24	+24V@0-10A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB	106.25	90.16	79.67
392834	Mean Well 	S-240-30	+30V@0-8A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB	106.25	90.16	79.67
167338	Mean Well 	S-240-48	+48V@0-5A	240.0W	240	1	1	UL/CUL/TUV/CE/CB	106.25	90.16	79.67
244735	Mean Well 	SP-320-5	+5V@0-55A at 230VAC; 0-44A at 115VAC	275.0W	150	1	0.5	UL/CUL/TUV/CE/CB	141.95	127.65	114.65
394215	Mean Well 	SP-320-7.5	+7.5V@0-40A	300.0W	150	1	0.5	UL/CUL/TUV/CE/CB	141.95	127.65	114.65
244743	Mean Well 	SP-320-12	+12V@0-25A at 230VAC; 0-20A at 115VAC	300.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	141.95	127.65	114.65
693599	Mean Well 	SP-320-13.5	+13.5V@0-22.0A	297.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	141.95	127.65	114.65
693610	Mean Well 	SP-320-15	+15V@0-20.0A	300.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	141.95	127.65	114.65
244752	Mean Well 	SP-320-24	+24V@0-13A at 230VAC; 0-10.4A at 115VAC	312.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	141.95	127.65	114.65
374205	Mean Well	PSP-300-48	+48V@0-6.5A	312.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	139.95	129.95	119.95
693628	Mean Well 	SP-320-27	+27V@0-11.7A	315.9W	200	0.5	0.2	UL/CUL/TUV/CE/CB	141.95	127.65	114.65
244770	Mean Well 	SP-320-48	+48V@0-6.7A at 230VAC; 0-5.4A at 115VAC	321.6W	240	0.5	0.2	UL/CUL/TUV/CE/CB	141.95	127.65	114.65

* Primary Output

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

320 to 600-Watt Enclosed Switching AC-to-DC Power Supplies

Additional Enclosed Power Supplies are available online at www.Jameco.com/Power

320-Watt Enclosed

S-320 Series: Single Output

- 100% full-load burn-in
- Input: 88-132/176-264VAC @ 47-63Hz
- 4.1 watts/in³ maximum
- Two-year warranty
- Auto cooling fan

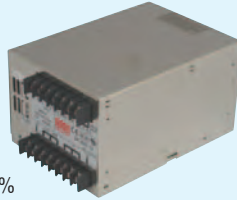


500-Watt Enclosed

with Power Factor Correction

SP-500 Series: Single Output

- 100% full-load burn-in
- Input: 88-264VAC, 120-370VDC
- 3.6 watts/in³ maximum
- Auto cooling fan
- Input: 100-240VAC @ 50-60Hz
- Mating connector: P/N 103588, pg 87
- Working temperature: -10°C to +60°C
- Three-year warranty
- Remote control
- Voltage adjustment: 10%



480-Watt Enclosed

with Power Factor Correction

SP-480 Series: Single Output

- Input: 85-264VAC, 120-370VDC
- Working temperature: -20°C to +60°C
- Short-circuit, overload, overvoltage, overtemperature protection
- Built-in remote ON-OFF control, and remote sense function
- Three-year warranty
- Size: 10.9"L x 5.0"W x 1.7"H



600-Watt Enclosed

SE-600 Series: Single Output

- AC input range switch selectable
- AC input active surge current limiting
- Inrush current: 30A @ 115VAC
- Leakage current: <2mA @ 240VAC
- Working temperature: -20°C to +60°C
- Short-circuit, overload, overvoltage, overtemperature protection
- Size: 9.7"L x 5.0"W x 2.5"H
- Two-year warranty



600-Watt Enclosed with Power Factor Correction

PSP-600 Series: Single Output

- Built-in active PFC function
- Built-in remote ON-OFF control, and remote sense function
- Input: 88-264VAC @ 47-64Hz/124-370VDC
- Working temperature: -20°C to +50°C
- Forced air cooling by built-in DC fan
- Current sharing up to 2400W (3 +1)
- Short-circuit, overload, overvoltage, overtemperature protection
- Mating connector: P/N 103588 or 302877, pg 87
- Three-year warranty



Open-Frame Power Supplies
on pages 111-114.

For Complete Specifications visit www.Jameco.com

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
216776	Mean Well	S-320-5	+5V@0-50A	250.0W	150	1	0.5	UL/CUL	\$120.59	\$102.50	\$76.88
207212	Mean Well	S-320-7.5	+7.5V@0-36A	270.0W	150	0.5	0.5	UL/CUL	129.69	115.74	109.95
207204	Mean Well	S-320-12	+12V@0-25A	300.0W	150	0.5	0.5	UL/CUL	120.59	116.97	113.47
693572	Mean Well	S-320-13.5	+13.5V@0-22.0A	297.0W	150	0.5	0.5	UL/CUL	120.59	102.50	76.88
374993	Mean Well	S-320-15	+15V@0-20A	300.0W	150	0.5	0.5	UL/CUL	120.95	115.95	112.95
196657	Mean Well	S-320-24	+24V@0-12.5A	300.0W	150	0.5	0.5	UL/CUL	129.69	122.76	110.48
693581	Mean Well	S-320-27	+27V@0-11.0A	297.0W	200	0.5	0.5	UL/CUL	120.59	116.97	87.73
207191	Mean Well	S-320-48	+48V@0-6.5A	312.0W	240	0.5	0.5	UL/CUL	120.59	116.97	113.47
689776	Metapo	1M321C48-0M	+48V@0-6.5A	312.0W	240	—	—	UL/CUL	69.95	62.95	57.95
1585565	Potrans	FS-32024-1M	+24V@0-12.5A	320.0W	150	—	—	UL/CUL/CE	69.95	62.95	57.95
693644	Mean Well	SP-480-5	+5V@0-85.0A	425.0W	80	1	0.5	UL/CUL/TUV/CE/CB	248.49	211.22	158.42
301373	Mean Well	SP-480-12	+12V@0-40A at 230VAC; 0-36A at 115VAC	480.0W	120	0.5	0.3	UL/CUL/TUV/CE/CB	248.49	216.79	199.95
301322	Mean Well	SP-480-24	+24V@0-20A at 230VAC; 0-18A at 115VAC	480.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	249.95	216.79	209.95
301402	Mean Well	SP-480-48	+48V@0-10A at 230VAC; 0-9A at 115VAC	480.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	248.49	216.81	205.97
190693	Mean Well	SP-500-12	+12V@0-40A at 230VAC; 0-34A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	269.95	241.99	217.84
147054	Mean Well	SP-500-24	+24V@0-20A at 230VAC; 0-17A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	269.95	255.95	247.95
190706	Mean Well	SP-500-27	+27V@0-18A at 230VAC; 0-15.3A at 115VAC	486.0W	200	0.5	0.5	UL/CUL/TUV/CE/CB	269.95	255.95	247.95
161796	Mean Well	SP-500-48	+48V@0-10A at 230VAC; 0-8.5A at 115VAC	480.0W	300	0.5	0.5	UL/CUL/TUV/CE/CB	269.95	255.95	247.95
374002	Mean Well	SE-600-05	+5V@0-100A	500.0W	150	2	0.5	UL/CUL	173.95	156.59	140.89
291522	Mean Well	SE-600-15	+15V@0-40A	600.0W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295902	Mean Well	SE-600-24	+24V@0-25A	600.0W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295911	Mean Well	SE-600-27	+27V@0-22.2A	599.4W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295929	Mean Well	SE-600-48	+48V@0-12.5A	600.0W	200	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
374214	Mean Well	PSP-600-12	+12V@0-50A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	239.99	229.43	217.97
374222	Mean Well	PSP-600-15	+15V@0-40A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374231	Mean Well	PSP-600-24	+24V@0-25A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374257	Mean Well	PSP-600-27	+27V@0-22.2A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	249.99	238.99	179.24
374249	Mean Well	PSP-600-48	+48V@0-12.5A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	201.35	192.46	182.86

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* Primary Output

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.



For more Enclosed Power Supplies visit www.Jameco.com/Power

500 to 1500-Watt Enclosed Switching AC-to-DC Power Supplies

Additional Enclosed Power Supplies are available online at www.Jameco.com/Power

600-Watt Enclosed with Current Sharing

SCN-600 Series: Single Output

- 100% full-load burn-in
- Auto cooling fan
- Voltage adjustment: 5%
- 3.7 watts/in³ maximum
- Universal AC input: 90-130/180-260VAC @ 47-63Hz
- Mating connector: P/N 103588, pg 87
- Two-year warranty
- Working temperature: -10°C to +65°C; (+50°C to -65°C @ 50% load)
- Mounting hardware: use P/Ns 222156 & 222173

UL US CB



500, 1000 & 1500-Watt Enclosed with Power Factor Correction & Current Sharing

PSP-500, PSP-1000 & PSP-1500 Series: Single Output

- 100% full-load burn-in
- Remote sense and control
- Voltage adj.: 10%
- Mating connector: P/N 103588, pg 87
- 3.6 watts/in³ maximum
- No minimum load required
- Auto cooling fan
- Working temp.: -10°C to +60°C
- Three-year warranty
- PSP-500 & PSP-1000: • Parallel operation (current sharing)
- Universal AC input: 90-264VAC @ 47-63Hz, 127-370VDC
- PSP-1500: • Universal AC input: 176-264VAC @ 47-63Hz, 248-370VDC



PSP-500

800-Watt Enclosed with Power Factor Correction

SCP-800 Series: Single Output

- Input: 180-260VAC@47-63Hz/260-370VDC
- PFC: >0.98@230VAC
- Power good signal
- Three-year warranty
- Forced air cooling by built-in DC fan
- With parallel function (N + 1)
- Working temp.: -20°C to +65°C
- Adjustable from 20% to 100% output voltage by external control 1V to 5V
- Mating connector: P/N 103588 or 302877, pg 87
- Short-circuit, overload, overvoltage, overtemperature protection
- Built-in remote sense function, and remote ON-OFF function



1000 & 1500-Watt Enclosed with Power Factor Correction

- Universal AC input/full range
- Forced air cooling by built-in fan
- Built-in remote ON-OFF control
- Working temperature: -20°C to +70°C
- Short-circuit, overload, overvoltage, overtemperature protection
- Three-year warranty

RSP-1000 Series: Single Output

- Built-in 5V/0.5A auxiliary power
- DC OK signal
- 1U low profile (41 mm)
- Power density: 10.7W/in³
- Size: 11.6"L x 5"W x 1.6"H

RSP-1500 Series: Single Output, Current Sharing

- Current sharing up to 6000W (3 + 1)
- ZVS new technology
- Built-in 12V/1A auxiliary power
- 8.3W / inch³
- Size: 10.9"L x 5.0"W x 3.3"H



RSP-1500



Performance
at Value Prices

For Complete Specifications visit www.Jameco.com

For PC Power Supplies, see page 140.

UL US CB

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
220249	Mean Well	SCN-600-05	+5V@0-100A	500.0W	100	2	0.5	UL/CUL/CB	\$292.99	\$276.99	\$269.99
220257	Mean Well	SCN-600-12	+12V@0-50A	600.0W	120	1	0.5	UL/CUL/CB	293.05	249.09	186.82
220265	Mean Well	SCN-600-24	+24V@0-25A	600.0W	240	1	0.5	UL/CUL/CB	292.99	276.99	269.99
374062	Mean Well	SCN-600-48	+48V@0-12A	600.0W	480	0.5	0.5	UL/CUL/CB	287.65	224.69	207.89
202112	Mean Well	PSP-500-5	+5V@0-80A	400.0W	100	2	0.5	UL/CUL/TUV/CE	149.95	139.95	129.95
190714	Mean Well	PSP-500-12	+12V@0-41.5A at 230VAC; 0-33.2A at 115VAC	498.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	283.49	240.93	180.69
190721	Mean Well	PSP-500-24	+24V@0-20.8A at 230VAC; 0-16.6A at 115VAC	499.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB	229.95	199.95	169.95
190731	Mean Well	PSP-500-27	+27V@0-18.5A at 230VAC; 0-14.8A at 115VAC	499.5W	150	0.5	0.2	UL/CUL/TUV/CE/CB	283.49	240.93	180.69
374337	Mean Well	SCP-800-48	+48V@0-16A	768.0W	480	0.5	0.5	UL/CUL/TUV/CE/CB	399.95	375.95	369.95
217366	Mean Well	PSP-1000-12	+12V@0-75A at 230VAC; 0-63.8A at 115VAC	900.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	523.95	445.36	334.02
217358	Mean Well	PSP-1000-24	+24V@0-37.6A at 230VAC; 0-32A at 115VAC	902.4W	150	0.5	0.2	UL/CUL/TUV/CE/CB	591.95	499.68	454.93
231652	Mean Well	PSP-1000-27	+27V@0-33.6A at 230VAC; 0-28.6A at 115VAC	907.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB	591.95	499.68	454.93
217350	Mean Well	PSP-1000-48	+48V@0-19A at 230VAC; 0-16.2A at 115VAC	912.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	591.95	499.68	454.93
1585670	Mean Well	RSP-1000-12	+12V@0-60A	720W	150	0.5	0.5	UL/CUL/TUV/CE/CB	449.95	374.95	349.95
1585696	Mean Well	RSP-1000-15	+15V@0-50A	750W	150	0.5	0.5	UL/CUL/TUV/CE/CB	449.95	399.95	349.95
1585717	Mean Well	RSP-1000-24	+24V@0-40A	960W	150	0.5	0.5	UL/CUL/TUV/CE/CB	544.49	516.79	490.94
1585709	Mean Well	RSP-1000-27	+27V@0-37A	999W	150	0.5	0.5	UL/CUL/TUV/CE/CB	544.49	516.79	490.94
231685	Mean Well	PSP-1500-13.5	+13.5V@0-100.5A	1356.7W	150	0.5	0.3	UL/CUL/TUV/CE/CB	594.19	540.25	491.13
373923	Mean Well	PSP-1500-24	+24V@0-56.4A	1353.6W	150	0.5	0.2	UL/CUL/TUV/CE/CB	771.25	655.56	491.67
231714	Mean Well	PSP-1500-27	+27V@0-50.4A	1360.8W	150	0.5	0.2	UL/CUL/TUV/CE/CB	817.75	776.16	698.54
694938	Mean Well	RSP-1500-24	+24V@0-63A	1512W	150	0.5	0.5	UL/CUL/TUV/CE/CB	775.59	752.73	680.94
694946	Mean Well	RSP-1500-27	+27V@0-56A	1512W	150	0.5	0.5	UL/CUL/TUV/CE/CB	775.59	752.73	680.94
694954	Mean Well	RSP-1500-48	+48V@0-32A	1536W	200	0.5	0.5	UL/CUL/TUV/CE/CB	772.19	752.73	680.94

Call for special versions and large quantities

* Primary Output

Blue Part No. = Limited Quantity Available

Specific Configurations for All of Your Power Needs!

Looking for a supply with unique voltage or current requirements? How about more than four outputs? Now Jameco offers Mean Well's Modular power supplies, custom-configured at the factory to your specific needs, with up to 14 isolated outputs.

There are thousands of combinations available for the modular series. This solution provides engineers with one of the fastest ways to procure custom configured power supplies with safety and EMC certificates.

These modular power supplies are custom orders. For all inquiries including specific lead times, please contact Jameco's Sales Department at 1-800-794-9100, ext. 562.



UL US



CE CB

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional DIN-Rail Power Supplies are available online at www.Jameco.com/Power

Custom Configured 19" 2U Rack Mount Power Systems

Now engineers can adapt to varying power needs with this versatile rack mount power system. Simply call us with your specific power requirements and we'll quote you an affordable yet reliable custom configuration. This standard 19" rack mount system provides up to 4,500W of power in a 2U high space.

- Digital meters for output voltage and current available on front panel
- Up to 4,500W output capacity
- LED indicators positioned on front panel
- Customer-specified output voltages and currents
- Includes 2 year Mean Well factory warranty



CALUS



CE CB

These these rack mount power systems are custom orders. For all inquiries including specific lead times, please contact Jameco's Sales Department at 1-800-794-9100, ext. 562.

DIN-Rail Switching Power Supplies

- Short-circuit, overload, overvoltage protection
- Low cost, high reliability
- 100% full-load burn-in test

- For DIN-Rail terminal blocks see pg 86
- Universal AC input range
- Soft-start circuit, limiting AC surge current



252663 (Fig. 6)



1943393 (Fig. 8)
Rail not included



248736 DIN Mounting Rail



373182 (Fig. 1)



192699 (Fig. 2)



212291 (Fig. 3)



212274 (Fig. 4)



221892 (Fig. 5)



1943300 (Fig. 7)
Rail not included



1943449 (Fig. 9)
Rail not included

NEW
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QUANTITY
SAVE

Part No.	Product No.	Fig.	Pwr (W)	Output Volts @ Curr.	Input Voltage (VAC @ Hz/VDC)	Input Current @ Maximum Load	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
373174	DR-30-5	1	15	5VDC @ 3A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	\$43.19	\$38.86	\$34.98
1943300	MDR-20-5	7	15	5VDC @ 3A	85-264 @ 47-63/120-370	0.55A (115V) / 0.35A (230V)	3.9 x 0.9 x 3.5	0.4	45.99	43.49	40.99
1943342	MDR-20-15	7	20	15VDC @ 1.34A	85-264 @ 47-63/120-370	0.55A (115V) / 0.35A (230V)	3.9 x 0.9 x 3.5	0.4	45.99	43.49	40.99
1943334	MDR-20-12	7	20	12VDC @ 1.67A	85-264 @ 47-63/120-370	0.55A (115V) / 0.35A (230V)	3.9 x 0.9 x 3.5	0.4	45.99	43.49	40.99
373182	DR-30-12	1	24	12VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	43.19	38.86	34.98
1943385	MDR-20-24	7	24	24VDC @ 1A	85-264 @ 47-63/120-370	0.55A (115V) / 0.35A (230V)	3.9 x 0.9 x 3.5	0.4	45.99	43.49	40.99
212303	DR-4505	2	25	5VDC @ 5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	48.35	43.53	39.16
1943393	MDR-40-5	8	30	5VDC @ 6A	85-264 @ 47-63/120-370	1.1A (115V) / 0.7A (230V)	3.9 x 1.6 x 3.5	0.6	58.95	55.95	52.99
373191	DR-30-15	1	30	15VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	39.99	35.99	32.39
373212	DR-60-5	1	32.5	5VDC @ 6.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	54.95	46.71	35.03
373203	DR-30-24	1	36	24VDC @ 1.5A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	43.29	38.96	35.06
1943431	MDR-40-48	8	39.8	48VDC @ 0.83A	85-264 @ 47-63/120-370	1.1A (115V) / 0.7A (230V)	3.9 x 1.6 x 3.5	0.6	58.95	55.95	52.99
1943406	MDR-40-12	8	40	12VDC @ 3.33A	85-264 @ 47-63/120-370	1.1A (115V) / 0.7A (230V)	3.9 x 1.6 x 3.5	0.6	58.95	55.95	52.99
1943422	MDR-40-24	8	40.8	24VDC @ 1.7A	85-264 @ 47-63/120-370	1.1A (115V) / 0.7A (230V)	3.9 x 1.6 x 3.5	0.6	58.95	55.95	52.99
192699	DR-4512	2	42	12VDC @ 3.5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	48.35	43.53	39.16
221875	DR-4515	2	42	15VDC @ 2.8A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	53.95	43.95	29.95
192681	DR-4524	2	48	24VDC @ 2A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	48.35	43.53	39.16
1943449	MDR-60-5	9	50	5VDC @ 10A	85-264 @ 47-63/120-370	1.8A (115V) / 1.0A (230V)	3.9 x 1.6 x 3.5	0.7	65.95	62.95	58.95
373230	DR-60-12	1	54	12VDC @ 4.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	54.95	49.45	44.51
1943457	MDR-60-12	9	60	12VDC @ 5A	85-264 @ 47-63/120-370	1.8A (115V) / 1.0A (230V)	3.9 x 1.6 x 3.5	0.7	65.95	62.95	58.95
373238	DR-60-15	1	60	15VDC @ 4A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	54.95	49.45	44.51
373246	DR-60-24	1	60	24VDC @ 2.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	54.95	49.45	45.51
1943465	MDR-60-24	9	60	24VDC @ 2.5A	85-264 @ 47-63/120-370	1.8A (115V) / 1.0A (230V)	3.9 x 1.6 x 3.5	0.7	65.95	62.95	58.95
1943473	MDR-60-48	9	60	48VDC @ 1.25A	85-264 @ 47-63/120-370	1.8A (115V) / 1.0A (230V)	3.9 x 1.6 x 3.5	0.7	65.95	62.95	58.95
212291	DR-7512	3	75	12VDC @ 6.3A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	86.15	81.18	73.06
212282	DR-7524	3	75	24VDC @ 3.2A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	81.35	73.21	65.89
212274	DR-12012	4	120	12VDC @ 10A	88-132/176-264 * @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	97.99	92.07	87.47
212266	DR-12024	4	120	24VDC @ 5A	88-132/176-264 * @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	89.95	80.96	72.87
221904	DR-12048	4	120	48VDC @ 2.5A	88-132/176-264 * @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	89.95	80.96	72.87
221892	DRP-24024	5	240	24VDC @ 10A	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	156.95	141.26	127.13
373123	DRT-240-24	5	240	24VDC @ 10A	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	167.29	142.20	106.65
221883	DRP-24048	5	240	48VDC @ 5.0A	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	156.95	141.26	127.13
252663	DRP-48024	6	480	24VDC @ 20A	180-264 @ 47-63/25-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	229.89	195.41	146.56
295938	DRP-480S-24	6	480	24VDC @ 20A	90-132/180-264 * @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	236.65	214.99	191.67
372576	DRT-480-24	6	480	24VDC @ 20A	3-phase 340-550 @ 47-63/480-750	1.7A (400V)/1.3A(500V)	8.9 x 3.9 x 4.9	5.5	199.95	179.95	169.95
301306	DRP-480S-48	6	480	48VDC @ 10A	90-132/180-264 * @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	236.65	214.99	191.67

Accessory Mounting Rail

Part No.	Cross Ref. No.	Description	Material	Type	Length	1	10	100
248736	2094.0	Prepunched DIN mounting rail	Zinc bichromate plate steel	TS35 x 7.5	1 meter (39")	\$6.95	\$6.25	\$4.95

* Switch selectable † With Power Factor Correction

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Precision, Rackmount Power Supplies & Converters

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	GENERIC & NON-FRANCHISED	JAMECO HOUSE BRANDS	FACTORY OVERRUN

Additional Converters are available online at www.Jameco.com/Power

13.8VDC Precision Regulated Power Supplies

- Heavy duty 5'8" 3-prong power cord
- Short-circuit protected
- Output mating terminals: see pg 88 for cigarette plugs & pg 156 for banana terminal plugs
- Illuminated rocker switch
- Fuse protected

1918745
Cigarette
plug



136581
Banana
terminal



138668
Banana
terminal
(rear)



Part No.	Model No.	Power (W)	Output Volts@Curr.	Input Voltage	Output Terminals	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
1918745	SPS-1204UL	46.2	13.2VDC @ 3.5A	120VAC @ 60Hz	Cigarette plug / terminals	5.2 x 4.0 x 2.0	2.0	\$39.95	\$34.95	\$32.95
136581	RPS1207#	96.6	13.8VDC @ 7A	115VAC @ 60Hz	Banana terminals	8.7 x 5.7 x 3.6	8.5	69.95	59.95	54.95
138668	38-381#	138.0	13.8VDC @ 10A	115VAC @ 60Hz	Banana terminals (rear)	7.0 x 6.6 x 4.3	10.0	69.95	62.95	56.95
138676	52-192012#	276.0	13.8VDC @ 20A	115VAC @ 60Hz	Banana terminals	10.0 x 7.8 x 4.4	15.9	109.95	99.95	89.95

P/N 136581 includes overheating protection



Rackmount Power Supply

600W Single Output

- AC Input active surge current limiting
- Forced air cooling by built-in DC fan
- Built-in remote sense function
- Input voltage: 90-132VAC/180-264VAC switch selectable
- Short-circuit, overload, overvoltage, overtemperature protection
- Size: 19.5"W x 5.0"D x 3.5"H



Part No.	Product No.	Output (VDC @ A)	1	10	25
673408	SE-600-48RM#	48 @ 12.5	\$255.55	\$242.72	\$230.58

This product is a special order, non-cancelable, non-returnable and may take up to 2 weeks to ship.

For More Samlex America Rackmount Power Supplies visit www.Jameco.com



Pure-Sine-Wave DC/AC Inverters

- Output waveform: sine wave
- Thermostatically controlled cooling fan
- Low battery alarm, low battery shutdown, overtemperature, overload, short-circuit, reverse polarity protection
- Output wave form THD: <3%
- Output connector: 3-prong AC receptacle
- 2-year warranty

SAMLEX:

- Operating temperature: 0 ~ 40°C

Mean Well:

- Working temperature: 0 ~ 60°C

- Output voltage: 120VAC (+/-3%) @ 60Hz

- Output voltage: 110VAC @ 60Hz



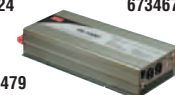
1943570



672624



673467



1945479

Part No.	Product No.	Manufacturer	Output Power (W)	Efficiency (%)	Input Voltage Range (VDC)	Input Connector	Size (L"xW"xH")	Weight (lbs.)	Pricing	
									1	5
1943570	PST-15S-12A	Samlex	150	85	10.5 - 16.5	Cigarette Lighter Plug	8.3 x 5.8 x 2.6	2.9	\$129.95	\$119.95
672624	PST-30S-12A	Samlex	300	85	10.5 - 16.5	Screwdown terminals	8.4 x 5.8 x 2.6	3.3	175.95	159.95
673467	PST-60S-12A*	Samlex	600	85	10.7 - 16.5	Screwdown terminals	13.2 x 9.3 x 3.3	6.6	275.00	259.95
1945479	TN-1500-112A#	Mean Well	1500	87	10.5 - 15.0	Screwdown terminals	16.5 x 8.7 x 3.5	7.5	1,195.95	1,095.95
1943545	TS-1500-112A#	Mean Well	1500	87	10.5 - 15.0	Screwdown terminals	16.5 x 8.7 x 3.5	7.5	995.95	945.95

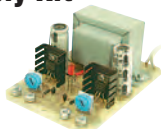
* Samlex P/N 673647: with built-in GFCI

** Mean Well P/N 1945479: solar panel input w/ UPS function

Dual Adj. Regulated Power Supply Kit

Build a dual adjustable power supply for your circuits.

- Adjustable positive/negative supplies ±5 to ±15VDC, 175mA-750mA per supply
- LED on indicator
- PC board construction
- 120VAC input
- 48-piece kit
- Difficulty level: intermediate



Part No.	Cross Ref. No.	Dimensions	Wt. (lbs.)	1	10
20626	JE215	5.1"L x 3.5"W x 2.0"H	2.1	\$27.55	\$24.59



SRS-05 & SPR01 Series: Single Output

- 1000VDC isolation
- Input filter: capacitor type
- Working temperature: -15°C to +60°C
- No external components needed
- 100% burn-in test
- Protection: short-circuit
- One-year warranty

213226



Jameco Part No.	Product No.	Input Range	Output		Size Inches (L"xW"xH")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
213226	SRS-0505#	4.5-5.5V	+5V @ 100mA	0.5W	0.88x0.39x0.33	8	1.0	1.0	100	\$5.05	\$4.79	\$4.55	\$4.33
216831	SPR01L-12#	4.5-5.5V	+12V @ 84mA	1W	0.77x0.28x0.4	4	1.0	1.0	100	9.49	8.54	7.68	6.91

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Converters are available online at www.Jameco.com/Power

2 to 40-Watt Encapsulated Converters

2-Watt PDL02 Series: Single Output

- SIP package
- External on/off control
- 2:1 wide input voltage range
- Continuous
- UL94V-0 case potting material
- Fixed switching frequency

3, 5 & 10-Watt SCW03, DCW03, SLW05, SKE10 & DKE10 Series: Single & Dual Outputs

- Regulated
- Working temperature: -15°C to +60°C
- Isolation voltage: 1000VDC
- 2:1 wide input range

Performance
at Value Prices

8-Watt FKC08 Series: Single Output

- Standard DIP package (24-pin)
- 2:1 wide input voltage range
- Fixed switching frequency

10, 15, 20, 30 & 40-Watt FDC10, FEC15, FED20, FEC30 & FEC40 Series: Single Output

- 2:1 & 4:1 wide input voltage range (depending on model)
- Fixed switching frequency

15-Watt SKE15 & DKE15 Series: Single & Dual Outputs

- Isolation voltage: 1000VDC
- Working temp.: -15°C to +60°C
- Free-air convection cooling
- 2:1 wide input range
- Regulated

Performance
at Value Prices

30-Watt TKA30: Dual Outputs

- Isolation voltage: 1000VDC
- Working temp.: -40° to +71°C
- Protection: short-circuit & overload
- Switching frequency: 100MHz
- 2:1 wide input range

Performance
at Value Prices

NEW
MARKED IN PINK

For Complete Specifications visit www.Jameco.com

Jameco Part No.	Product No.	Manufacturer	Input Range	Output		Size Inches (L"xW"xH")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing				QUANTITY SAVE
				Voltage@Current	Power						1	10	25	100	
1943748	PDL02-05S3P3	Power Mate	4.5-9	3.3@500	2W	0.86x0.36x0.44	7	0.5	0.85	50	\$15.95	\$14.75	\$13.35	\$12.95	
1943772	PDL02-12S05	Power Mate	9-18	5@400	2W	0.86x0.36x0.44	7	0.5	0.75	50	15.95	14.75	13.35	12.95	
213269	SCW03A-05	Mean Well	9-18V	+5V@600mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	16.95	16.25	15.49	13.95	
155919	DCW03A-05	Mean Well	9-18V	+5V@300mA; -5V@300mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	19.95	17.95	15.95	14.95	
161702	DCW03A-12	Mean Well	9-18V	+12V@125mA; -12V@125mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	22.19	20.02	18.01	16.21	
220354	SLW05A-033	Mean Well	9-18V	+3.3V@1500mA	5W	2.0x1.0x0.44	5	0.2	0.5	100	25.15	22.62	20.37	18.32	
216929	SLW05A-05	Mean Well	9-18V	+5V@1000mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	26.45	23.37	21.47	19.35	
216882	SLW05A-15	Mean Well	9-18V	+15V@333mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	24.95	22.40	20.20	18.20	
216937	SLW05B-05	Mean Well	18-36V	+5V@100mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25	
216911	SLW05B-12	Mean Well	18-36V	+12V@417mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	24.95	22.46	17.97	13.48	
213234	SLW05C-05	Mean Well	36-72V	+5V@1000mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	19.49	17.52	15.76	14.19	
1943799	FKC08-12S3P3	Power Mate	9-18	3.3@2000	8W	1.25x0.8x0.4	9	0.2	0.5	50	33.95	32.95	29.95	27.95	
1943844	FKC08-24S12W	Power Mate	9-36	12@666	8W	1.25x0.8x0.4	9	0.2	0.5	50	33.95	32.95	29.95	27.95	
1943860	FDC10-24D12	Power Mate	18-36	± 12@± 416	10W	2.0x1.0x0.4	6	0.2	1.0	75	39.95	37.95	35.95	33.95	
216962	SKE10A-05	Mean Well	9-18V	+5V@2000mA	10W	2.0x1.0x0.44	5	0.3	1.0	50	34.29	30.85	27.22	26.27	
216953	SKE10B-05	Mean Well	18-36V	+5V@2000mA	10W	2.0x1.0x0.44	5	0.3	0.5	50	35.65	32.08	28.30	25.78	
217024	SKE10B-12	Mean Well	18-36V	+12V@840mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	35.79	32.21	25.77	19.33	
216945	SKE10C-05	Mean Well	36-72V	+5V@2000mA	10W	2.0x1.0x0.44	5	0.3	1.0	50	34.29	30.85	27.22	26.27	
217032	DKE10A-05	Mean Well	9-18V	+5V@1000mA; -5V@1000mA	10W	2.0x1.0x0.44	5	0.3	0.5	50	38.09	34.29	27.42	20.57	
217092	DKE10A-12	Mean Well	9-18V	+12V@420mA; -12V@420mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	34.95	29.95	24.95	19.64	
217112	DKE10A-15	Mean Well	9-18V	+15V@333mA; -15V@333mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	36.69	35.16	32.87	27.94	
217075	DKE10B-15	Mean Well	18-36V	+15V@333mA; -15V@333mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	36.69	35.16	32.87	24.65	
155716	SKE15A-05	Mean Well	9-18V	+5V@3000mA	15W	2.0x2.0x0.43	5	0.3	0.5	50	33.95	31.95	29.95	25.95	
155708	SKE15A-12	Mean Well	9-18V	+12V@1250mA	15W	2.0x2.0x0.43	5	0.3	0.5	60	34.95	31.19	28.15	25.35	
155695	SKE15A-24	Mean Well	9-18V	+24V@625mA	15W	2.0x2.0x0.43	5	0.3	0.5	80	34.95	31.49	28.15	25.35	
213277	SKE15B-05	Mean Well	18-36V	+5V@3000mA	15W	2.0x2.0x0.43	5	0.3	0.5	50	33.99	32.65	30.61	27.54	
213285	SKE15B-12	Mean Well	18-36V	+12V@1250mA	15W	2.0x2.0x0.43	5	0.3	0.5	60	33.95	32.45	29.95	27.95	
213293	DKE15A-24	Mean Well	9-18V	+24V@313mA; -24V@313mA	15W	2.0x2.0x0.43	5	0.3	0.5	80	32.95	29.66	23.73	21.59	
1944071	FEC15-24S3P3	Power Mate	18-36	3.3@4000	15W	2.0x1.0x0.4	6	0.5	0.5	50	45.95	43.95	41.95	39.95	
1944100	FED20-24S05	Power Mate	18-36	5@4000	20W	2.0x1.0x0.4	6	0.2	0.5	75	50.95	47.95	44.95	42.95	
1944302	FED20-24S12	Power Mate	18-36	12@1670	20W	2.0x1.0x0.4	6	0.2	0.5	75	50.95	47.95	44.95	42.95	
217728	TKA30B-C	Mean Well	18-36V	+5V@3500mA; ±15V@250mA	25W	2.0x2.0x0.82	8	0.2	0.2	100	49.95	44.95	39.95	37.95	
217681	TKA30C-B	Mean Well	36-72V	+5V@3500mA; ±12V@310mA	25W	2.0x2.0x0.82	8	0.2	0.2	100	39.95	35.95	32.95	32.95	
1945516	FEC30-24S05W	Power Mate	10-40	5@6000	30W	2.0x1.6x0.4	7	0.5	0.5	75	76.95	71.95	67.95	64.95	
1945524	FEC30-24S12W	Power Mate	10-40	12@2500	30W	2.0x1.6x0.4	7	0.5	0.5	100	76.95	72.95	68.95	65.95	
1945541	FEC40-24S05W	Power Mate	9-36	5@8000	40W	2.0x2.0x0.4	9	0.2	0.5	50	83.95	79.95	75.95	69.95	
1945559	FEC40-24S12W	Power Mate	9-36	12@3333	40W	2.0x2.0x0.4	9	0.2	0.5	75	83.95	79.95	75.95	69.95	

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

DC-to-DC Converters & Table-Top Power Supplies

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	GENERIC & NON-FRANCHISED	JAMECO HOUSE BRANDS	FACTORY OVERRUN

Additional Converters are available online at www.Jameco.com/Power

25 to 150-Watt Enclosed Converters



SD150

- Input filter: Pi-network
- Working temperature: -10°C to +60°C
- 2:1 wide input range
- Protection: short-circuit, overload and overvoltage
- Shielded metal case
- 100% burn-in test
- One-year warranty

25-Watt SD-25 Series: Single Output • Isolation voltage: 500VDC



Performance at Value Prices

50, 100 & 150-Watt SD-50, SD-100 & SD-150 Series: Single Output

- Isolation voltage: 1500VDC
- Mounting hardware: use P/Ns 222156 & 222173 (see web)

Jameco Part No.	Product No.	Input Range	Output		Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing				QUANTITY SAVE
			Voltage@Current	Power						1	10	25	100	
175662	SD-25A-5	9-18V	+5V@500mA	25.0W	3.9x3.8x1.4	5	0.5	0.5	100	\$42.99	\$32.54	\$30.44	\$26.24	
175805	SD-25A-12	9-18V	+12V@2100mA	25.2W	3.9x3.8x1.4	5	0.3	0.3	120	37.95	34.16	27.32	20.49	
175813	SD-25A-24	9-18V	+24V@1100mA	26.4W	3.9x3.8x1.4	5	0.2	0.2	150	44.65	33.78	31.60	27.24	
212549	SD-50A-5	9-18V	+5V@10A	50.0W	6.3x3.8x1.5	5	0.5	0.5	100	35.79	32.53	29.58	26.89	
212531	SD-50B-12	19-36V	+12V@4.2A	50.4W	6.3x3.8x1.5	5	0.3	0.3	120	54.45	49.00	39.20	29.40	
212514	SD-50B-24	19-36V	+24V@2.1A	50.4W	6.3x3.8x1.5	5	0.2	0.2	150	44.05	41.35	33.08	31.86	
212506	SD-50C-12	36-72V	+12V@4.2A	50.4W	6.3x3.8x1.5	5	0.3	0.3	120	54.45	43.99	38.95	36.29	
212469	SD-100C-12	36-72V	+12V@8.5A	102.0W	7.8x3.9x1.5	7	0.3	0.3	120	76.25	68.63	54.90	41.18	
217270	SD-150B-12	19-36V	+12V@12.5A	150.0W	7.8x4.3x2.0	7	0.5	0.5	120	82.95	74.66	59.72	44.79	

36-Watt AC-to-AC Table-Top Power Supply

- Input voltage: 120VAC @ 60Hz
- Output voltage: 12VAC @ 3A
- Input connector: 6' long/2-prong AC plug
- Output connector: 6' long/2.1mm x 5.5mm female

Part No.	Product No.	Size (L x W x H)	Listing	1	10	50
455611	D571203000	3.6" x 2.6" x 2.3"	UL/CUL	\$11.95	\$10.70	\$9.68



GlobTek® AC-to-DC Medical Table-Top Regulated Switching Power Supplies

- Input voltage: 90-264VAC @ 47-63Hz
- Leakage current: 0.1mA max.
- Regulation (line & load): ±5%
- 3-wire AC input
- 2.5mm x 5.5mm female center positive
- Cord lengths: DC: 6'; AC: use P/N 115078, pg 135
- Ripple and noise: 1% or 100mV, whichever is smaller
- UL/CUL/TUV/CE approved for medical applications
- Isolation voltage: 4,000VAC
- Size: 2.9"L x 2.0"W x 1.6"H



Part Number	Product Number	Power (W)	Output Volts (VDC)/Current (A)	Pricing			
				1	10	50	100
230683	TR9CE1250CP	15.6	+12/1.3	\$34.29	\$30.85	\$27.77	\$24.96
230691	TR9CG1200CP	18.0	+15/1.2	39.55	35.38	28.48	26.61
230798	TR9CI2100LCP	50.4	+24/2.1	52.95	47.66	45.95	42.99

velleman 24-Watt Switching Table-Top Power Supply

- Input voltage: 100-240VAC @ 50-60Hz
- Low electromagnetic interference
- Interchangeable AC input plugs for USA/UK/Europe/Taiwan/China
- Output current: 2A
- Selectable outputs: 3VDC, 4.5VDC, 6VDC, 7.5VDC, 9VDC, 12VDC
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 2.1mm x 5mm, 2.5mm x 5mm, 1.35mm x 3.5mm x & 1.7mm x 4mm



Part No.	Product No.	Size (H x W x D)	1	10
1537491	PSSMV3	4.7" x 3.3" x 2.5"	\$42.95	\$39.95

velleman 38-Watt Switching Table-Top Power Supply

- Stabilized outputs, low ripple & interference
- High efficiency, low energy consumption
- Input voltage: 100-240VAC @ 50/60Hz
- Short-circuit, overload protection
- LED power indicator
- Output current: 1.5A to 4A
- Output voltage: 5VDC to 24VDC in 1V increments
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 1.35mm x 3.5mm, 1.5mm x 5mm, 1.7mm x 4mm, 2.1mm x 5mm, 2.5mm x 5mm



Part No.	Product No.	Size (L x W x H)	1	10
1537521	PSSM6VU	3.5" x 1.8" x 1.2"	\$49.95	\$46.95

Universal 60-Watt Table-Top Power Supply

PHIHONG RoHS and CEC Compliant

- Input voltage: 90-264VAC @ 40-50Hz (2-wire input)
- Short-circuit, overcurrent, overvoltage protection
- Input power saving: 0.75W maximum for 240VAC @ no load
- Output voltage: 24VDC @ 2.5A
- 2.1mm x 5.5mm female center positive
- Efficiency: 80% typical
- UL/CUL/TUV/CE approved



Part No.	Product No.	Size (L x W x H)	1	10	50
229843	PSC60W-240-R	5.1" x 2.4" x 1.3"	\$36.49	\$32.85	\$29.55

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 175.

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business-day shipment.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

AC-to-DC Regulated & Unregulated Table-Top Power Supplies

Additional Table-Top Power Supplies are available online at www.Jameco.com/Power

See page 134 for International Power Cords

AC-to-DC Regulated Linear & Unregulated Table-Top Power Supplies



We will change any power plug (pg 88) on any table-top power supply (100 pc. minimum) for a small additional charge.



QUANTITY SAVE

Power	Part Number	Brand ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Pwr (W)	Volts (VDC)/ Current (A)									1	10	50	100
2-Wire AC Input – Regulated Linear																	
5-25	664261	Intermec	062035	3.75	+5/0.75	120@60	4-pin DIN M	No	Black	4.4 x 2.5 x 2.0	6'/6'	1.6	UL/CSA	\$11.95	\$10.95	\$9.95	\$8.95
	211060	Pacific Data	DV-51AAT	5	+5/1	120@60	2.1mm x 5.5mm F 2†	No	Black	3.4 x 2.7 x 2.2	6'6'/6'	1.7	UL/CSA	11.95	10.95	8.95	6.95
	174845	ReliaPro	DCR2410F12	24	+24/1	120@60	2.1mm x 5.5mm F 2	No	Black	4.4 x 3.0 x 2.5	6'/6'	2.6	—	17.95	15.95	12.95	10.95
3-Wire AC Input – Regulated Linear																	
30-55	689661	Regal	R1JG-5500	30	+5/1; -5/0.5	120@60	5-pin DIN M	No	Black	5.1 x 3.6 x 2.8	6'/6'	2.7	UL	\$14.95	\$13.49	\$11.95	\$9.95
	689653	Regal	RJM-551228	55	+5/0.9; -5/0.2; +12/0.62; -28/0.16	120@60	6-pin DIN M	No	Black	5.1 x 3.6 x 2.8	6'/6'	1.3	CUL	14.95	13.49	11.95	9.95
2-Wire AC Input – Unregulated																	
10-30 Watts	190051	APS	APS48EA114	10	+7/1.5	120@60	2.5mm x 5.5mm F 2	No	Black	3.4 x 2.3 x 1.9	6'/6'	1.9	UL/CUL	\$8.95	\$7.95	\$6.95	\$4.95
	243109	Regal	JK-91001-N	9	+9/1.0	120@60	Stripped & Tinned	No	Black	3.3 x 2.2 x 1.9	6'/6'	1.2	UL/CSA	10.95	9.95	8.95	6.95
	136565	ReliaPro	DDC1210P	12	+12/1.0	120@60	Stripped & Tinned	No	Black	3.2 x 2.2 x 1.9	6'/6'	1.2	—	15.35	13.82	11.05	8.29
	140880	ReliaPro	DC1215ST	18	+12/1.5	120@60	Stripped & Tinned	No	Black	3.1 x 2.1 x 1.9	6'/6'	1.5	UL	15.85	14.27	11.42	8.57
	143714	Horizon	DC1220F1	24	+12/2.0	120@60	2.1mm x 5.5mm F 2	No	Black	3.8 x 2.8 x 2.3	6'/6'	2.2	CUL-No UL	19.75	17.76	15.99	14.39
	143722	ReliaPro	DC1220F5	24	+12/2.0	120@60	2.5mm x 5.5mm F 2	No	Black	3.8 x 2.8 x 2.3	6'/6'	2.2	UL/CUL	18.19	14.55	12.73	11.99
	143731	Horizon	DC1220M3	24	+12/2.0	120@60	3.5mm M 2	No	Black	3.8 x 2.8 x 2.3	6'/6'	1.9	CUL-No UL	15.49	13.94	11.15	8.37
139096	ReliaPro	DC2412F1	29	+24/1.2	120@60	2.1mm x 5.5mm F 2	No	Black	4.4 x 3.1 x 2.6	6'/6'	2.5	—	18.49	16.79	15.29	13.99	
2-Wire AC Input – Regulated Switching																	
15-24 Watts	1586242	Phihong	PSAA15W-050-R	15	+5/3.0	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.2 x 2.0 x 1.2	6'/1	—	UL/CUL/TUV/CE	\$20.49	\$18.72	\$17.31	\$15.90
	379612	Mean Well	ES25B05-P1JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	19.95	17.95	14.95	12.95
	1707067	Mean Well	ES25B07-P1J	22	+7.5/2.93	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/1	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95	9.95
	195806	Horizon	DCR920F12	18	+9/2.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.2 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	32.45	29.20	23.36	18.72
	195768	Mean Well	DCR920F52	18	+9/2.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	23.65	21.48	19.85	18.86
	1586251	Phihong	PSAA15W-120-R	15	+12/1.25	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.2 x 2.0 x 1.2	6'/1	—	UL/CUL/TUV/CE	20.49	18.72	17.31	15.90
	391770	Mean Well	ES18B12-P1JU	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	24.79	22.74	19.70	19.55
	673651	Artesyn	SSL20C-7612	20	+12/1.67	100-240@50-60	2.5mm x 5.5mm F 2	No	Black	4.6 x 2.4 x 1.1	3'3'/1	0.4	UL/CSA/VDE	12.95	10.95	8.95	6.95
	1537555	APD	DA-24B12	24	+12/2.0	100-240@47-63	2.5mm x 5.5mm F 2	No	Black	3.6 x 2.2 x 1.3	6'/1	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95	9.95
	1707075	Mean Well	ES18B28-P1J	18	+28/0.64	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/1	0.5	UL/CUL/TUV/CE	14.95	13.49	11.95	9.95
196138	DVE	DSA-Q283A	23	+5/1, +12/1.49 -5/0.43	100-240@47-63	5-pin DIN M	No	Black	4.9 x 2.7 x 1.5	6'/1	0.8	UL/CSA/TUV	14.95	12.95	10.95	7.95	
25-50 Watts	379939	Mean Well	ES25B09-P1JU	25	+9/2.78	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	23.39	20.94	18.33	13.75
	379947	Mean Well	ES25B12-P1JU	25	+12/2.08	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	23.35	20.88	18.27	17.41
	377942	Mean Well	P30B-3P2JU	27	+12/2.25	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	26.99	24.13	23.41	22.70
	220442	Horizon	SL120300RT	36	+12/3.0	100-240@50-60	2.5mm x 5.5mm F 2†	Yes	Black	4.3 x 2.0 x 1.2	6'/1	0.6	UL/CUL/TUV/CE	29.95	26.96	21.56	16.17
	1586306	Phihong	PSC60W-120-R	50	+12/4.16	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.0 x 2.5 x 1.3	5'/1	—	UL/CUL/TUV/CE	36.55	33.37	30.75	29.21
	1707104	Mean Well	ES25B48-P1J	25	+15/1.66	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	3.2 x 2.1 x 1.3	6'/1	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95	9.95
	379972	Mean Well	ES25B24-P1JU	25	+24/1.04	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	22.75	20.39	17.85	17.00
	221613	Mean Well	P30B-6P2JU	27	+24/1.1	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	28.79	25.92	23.29	21.08
	205911	Delta	ADP-25HB	25	+30/0.83	100-125@50-60	2.1mm x 5.5mm F 2	No	Black	3.5 x 2.4 x 1.2	6'/7'	1.1	UL/CUL	17.49	15.75	12.59	9.45
1707139	Mean Well	ES25B48-P1J	25	+48/0.52	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/1	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95	9.95	

* See accessory table-top power cord chart below when AC cord needed; refer to 1 or 2 in "Cord (DC/AC)" column above for correct power cord

† Right angle ▲ Brand and product number may vary except for ReliaPro, Mean Well and Phihong

3-Wire Regulated Table-Top Power Supplies on Next Page

Accessory Power Input Cords for Table-Top Power Supplies

Accessory Power Input Cords for Table-Top Power Supplies

For more Power Cords see pages 134-135.

Part No.	Ref. No. *	Description	Color	AWG	Certification	Cord Length	Wt. (lbs.)	Cord Type	1	10	50	100
189587	1	2-conductor power cord	Black	18/2	UL/CSA	6'	0.3	SPT	\$2.49	\$2.05	\$1.99	\$1.89
38050	2	3-conductor power cord	Black	18/3	UL/CSA	6'	0.4	SVT	3.95	3.49	2.95	2.69

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

AC-to-DC Regulated Switching Table-Top Power Supplies

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
JAMECO HOUSE BRANDS
FACTORY OVERRUN

Additional AC-to-DC Table-Top Power Supplies are available online at www.Jameco.com/Power

See page 134 for International Power Cords



We will change any power plug (pg 88) on any table-top power supply (100 pc. minimum) for a small additional charge.

NEW
MARKED IN PINK

Polarity 1 $\oplus \ominus \ominus$ (center negative) Female Male DIN M Polarity 2 $\ominus \oplus \oplus$ (center positive)

Power	Part Number	Brand ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing				QUANTITY SAVE
				Pwr (W)	Volts (VDC)/ Current (A)									1	10	50	100	
3-Wire AC Input – Regulated Switching																		
5-20 Watt	1928863	DVE	DSA0210D-03	13.2	+3.3/4.0	100-240@50-60	2.5mm x 5.5mm F 2	No	Black	3.9 x 2.0 x 1.4	4' / 2	0.5	UL/CUL/TUV/CE	\$19.95	\$17.95	\$14.95	\$12.95	
	221568	Mean Well	P40A-0P2JU	15	+3.3/4.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6' / 6	0.8	UL/CUL/TUV/CE	27.79	25.01	22.89	22.32	
	308700	Be-Well	ZD0001F	5	+5/1.0	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	4.2 x 2.0 x 1.6	6' / 2	0.4	UL/CUL/TUV/CE	11.95	10.95	8.95	7.95	
	1918737	Magtech	SPU15A-102	12	+5/1.0	100-240@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.6 x 1.5 x 1.4	6' / 2	0.4	UL/CUL/TUV/CE	11.95	10.95	8.95	7.95	
	309876	Go Forward	G112-US0520	10	+5/2.0	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	2.6 x 1.9 x 1.3	6' / 2	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95	8.95	
	196218	GlobTek	GT210891005T3	10	+5/2.0	120-240@50-60	2.1mm x 5.5mm F 2	No	Black	3.4 x 1.9 x 1.3	6' / 2	0.4	UL/CUL/TUV/CE	19.95	17.95	16.15	14.55	
	695244	DVE	DSA-0151D-05	12	+5/2.4	100-240@47-63	2.5mm x 5.5mm F 2	No	Black	3.9 x 2.0 x 1.4	6' / 2	0.5	UL/CUL/TUV/CE	14.95	13.49	11.95	9.95	
	377845	Mean Well	ES18A05-P1JU	15	+5/3.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6' / 6	0.6	UL/CSA/TUV/CE	23.59	21.59	18.79	13.95	
	379720	Mean Well	ES18A05-P1MU	15	+5/3.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6' / 6	0.6	UL/CSA/TUV/CE	26.39	22.32	19.35	18.38	
	1940387	Mean Well	GS18A05-P1JU	15	+5/3	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.7 x 2.1 x 1.4	4' / 6	0.5	UL/CUL/TUV/CE	25.95	23.95	22.95	21.95	
	380471	Mean Well	ES25A05-P1MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6' / 6	0.6	UL/CSA/TUV/CE	22.39	20.92	19.88	18.09	
	213584	Mean Well	P30A-1P2JU	20	+5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6' / 6	0.7	UL/CUL/TUV/CE	25.69	22.95	20.95	19.95	
	1940571	Mean Well	GS25A05-P1JU	20	+5/4	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.7 x 2.1 x 1.4	4' / 6	0.5	UL/CUL/TUV/CE	27.25	25.95	24.57	22.99	
	1586269	Phihong	PSC30U-050-R	20	+5/5.0	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	6' / 2	0.6	UL/CUL/TUV/CE	27.25	24.78	23.27	22.37	
	377862	Mean Well	ES18A09-P1JU	18	+9/2.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6' / 2	0.6	UL/CSA/TUV/CE	24.79	22.74	19.70	19.55	
	379736	Mean Well	ES18A09-P1MU	18	+9/2.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6' / 6	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29	
	1928417	Mean Well	G112-US1210	12	+12/0.1	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	2.9 x 1.9 x 1.3	6' / 2	0.3	UL/CSA/TUV/CE	17.95	15.95	13.95	11.95	
	228989	Phihong	PSA18U-120	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	6' / 2	0.5	UL/CUL/TUV/CE	22.95	20.65	18.59	17.53	
	376623	Mean Well	ES18A12-P1JU	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6' / 6	0.6	UL/CSA/TUV/CE	24.79	22.74	19.70	19.55	
	1928425	ITE	NL20-120160-11	19	+12/1.6	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	4.3 x 1.8 x 1.2	6' / 2	0.2	UL/CSA/TUV/CE	16.95	14.95	12.95	10.95	
1940416	Mean Well	GS18A12-P1JU	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.7 x 2.1 x 1.4	6' / 6	0.5	UL/CUL/TUV/CE	25.95	24.65	23.39	21.99		
1537432	Eng Electric	EPA-201D-12	20	+12/1.66	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.4 x 1.3	6' / 2	0.2	UL/CUL/TUV/CE	19.95	17.95	15.95	13.95		
1940432	Mean Well	GS18A15-P1JU	18	+15/1.2	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.7 x 2.1 x 1.4	6' / 6	0.5	UL/CUL/TUV/CE	25.95	24.65	23.39	21.99		
1940459	Mean Well	GS18A24-P1JU	18	+24/0.75	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.7 x 2.1 x 1.4	6' / 6	0.5	UL/CUL/TUV/CE	28.25	26.85	25.46	23.99		
1707083	Mean Well	ES18A28-P1J	18	+28/0.64	100-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6' / 2	0.5	UL/CUL/TUV/CB/CE	14.95	13.49	11.95	9.95		
25-27 Watt	213576	Mean Well	P40A-1P2JU	25	+5/5.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6' / 6	0.7	UL/CUL/TUV/CE	32.95	29.66	23.72	21.03	
	211027	Mean Well	KA52B25-MODU	25	+9/2.78	100-240@47-63	2.1mm x 5.5mm F 2	No	Black	4.2 x 2.6 x 1.5	6' / 2	0.9	CSA/TUV/CE	15.95	13.95	11.95	9.95	
	379779	Mean Well	ES25A12-P1JU	25	+12/2.08	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6' / 6	0.6	UL/CSA/TUV/CE	23.89	21.41	18.74	14.06	
	380534	Mean Well	ES25A12-P1MU	25	+12/2.08	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6' / 6	0.6	UL/CSA/TUV/CE	22.39	20.92	19.88	18.09	
	1940601	Mean Well	GS25A12-P1JU	25	+12/2.08	90-264 @ 47-63	2.1mm x 5.5mm F 2	No	Black	3.7 x 2.1 x 1.4	4' / 6	0.5	UL/CUL/TUV/CE	27.25	25.95	24.65	22.99	
	377896	Mean Well	P30A-3P2JU	27	+12/2.25	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6' / 6	0.6	UL/CSA/TUV/CE	26.99	24.85	23.66	22.47	
	1707147	Mean Well	ES25A15-P1J	25	+15/1.66	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	3.6 x 2.1 x 1.4	6' / 2	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95	9.95	
	379824	Mean Well	ES25A15-P1JU	25	+15/1.66	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6' / 6	0.6	UL/CSA/TUV/CE	18.95	15.95	14.49	13.49	
	1940619	Mean Well	GS25A15-P1JU	25	+15/1.66	90-264 @ 47-63	2.1mm x 5.5mm F 2	No	Black	3.7 x 2.1 x 1.4	6' / 6	0.5	UL/CUL/TUV/CE	27.25	25.95	24.65	22.99	
	243012	Mean Well	P30A-41P2JU	27	+15/1.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.2 x 2.6 x 1.4	6' / 6	0.8	UL/CUL/TUV/CE	26.15	24.05	22.91	21.75	
	379883	Mean Well	ES25A24-P1JU	25	+24/1.04	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6' / 6	0.6	UL/CSA/TUV/CE	23.39	20.94	18.33	17.46	
	380577	Mean Well	ES25A24-P1MU	25	+24/1.04	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6' / 6	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45	
	1940635	Mean Well	GS25A24-P1JU	25	+24/1.04	90-264 @ 47-63	2.1mm x 5.5mm F 2	No	Black	3.7 x 2.1 x 1.4	6' / 6	0.5	UL/CUL/TUV/CE	30.25	28.75	27.39	25.95	
	221681	Mean Well	P30A-6P2JU	27	+24/1.1	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6' / 6	0.8	UL/CSA/TUV/CE	31.25	28.13	25.30	22.76	
	1707091	Mean Well	ES25A28-P1J	25	+28/0.89	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6' / 2	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95	9.95	
	1940651	Mean Well	GS25A48-P1JU	25	+48/0.52	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.7 x 2.1 x 1.4	6' / 6	0.5	UL/CUL/TUV/CE	30.25	28.75	27.39	25.95	
	380606	Mean Well	ES25A48-P1MU	25	+48/0.52	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6' / 6	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45	
	215088	Mean Well	P30A-8P2JU	27	+48/0.56	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6' / 6	0.7	UL/CSA/TUV/CE	24.29	23.26	22.10	20.99	
	196270	Everglow	PSU25A13	25	+5/2.5, +12/1.0	100-240@47-63	4-pin mini DIN M	No	Black	4.2 x 2.6 x 1.4	6' / 4	1.2	UL/CUL/TUV/CE	29.65	26.70	24.00	21.61	
190960	Mean Well	P25A13D-R1U	26	+5/2.5, +12/0.8, -12/0.3	100-240@47-63	5-pin DIN M	Yes	Black	4.1 x 2.6 x 1.4	6' / 6	1.1	CUL/TUV/CE	39.99	36.02	32.38	29.18		
221720	Mean Well	P25A14E-R1BU	25	+5/2.5, +15/0.3	90-264@47-63	5-pin DIN M	Yes	Black	4.3 x 2.6 x 1.4	6' / 6	0.8	UL/CUL/TUV/CE	34.25	30.88	27.76	25.01		

* See accessory table-top power cord chart on page 125 when AC cord needed; refer to 1 or 2 in "Cord (DC/AC)" column above for correct power cord

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

† Right angle

3-Wire Regulated Table-Top Power Supplies continued on next page

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See page 134 for International Power Cords



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Power	Part Number	Brand ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Pwr (W)	Volts (VDC)/ Current (A)									1	10	50	100
3-Wire AC Input – Regulated Switching																	
30-40 Watt	320081	GlobTek	TR9CA6000LCP-Y	30	+5/6.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.7 x 2.4 x 1.3	6'/2	0.7	UL/CUL/TUV/CE	\$33.49	\$31.15	\$28.87	\$25.97
	206528	Mean Well	P40A-1-1P25U	30	+7.5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	4.3 x 2.7 x 1.5	6'/6	1.5	UL/CUL/TUV/CE	33.05	29.75	26.44	24.23
	229009	Phihong	PSA31U-120	30	+12/2.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/2	0.5	UL/CUL/TUV/CE	27.19	24.70	22.72	21.18
	1586277	Phihong	PSC30U-120-R	30	+12/2.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	5'/2	0.6	UL/CUL/TUV/CE	27.25	24.78	23.27	22.37
	1918690	First Vision	SA06H12-A	30	+12/2.5	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.0 x 1.4	4'/2	0.6	UL/CUL/TUV/CE	17.95	15.95	13.95	11.95
	1942147	Jentec	SA06H1217-A	30	+12/2.5	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.0 x 1.4	6'/2	0.6	UL/CUL/TUV/CE	19.95	17.95	15.95	13.95
	401042	ReliaPro	EA10362	36	+12/3.0	120 240@50-60	2.1mm x 5.5mm F 2	Yes	Black	3.9 x 1.8 x 1.2	6'/1	6.0	UL/CUL/TUV/CE	23.69	21.17	19.14	18.19
	1586146	EDAC	EA10301	30	+12/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	3.8 x 1.8 x 1.2	6'/2	0.7	UL/CUL/TUV/CE	19.95	17.95	15.95	12.95
	1942155	Jentec	JTA0210P	36	+12/3.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.0 x 1.2	6'/1	0.6	UL/CUL/TUV/CE	19.95	17.95	14.95	12.95
	155214	Mean Well	A-3P2JU	40	+12/3.3	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6	0.7	UL/CUL/TUV	40.25	36.19	32.56	29.32
	297693	Mean Well	P40A-3P2MU	40	+12/3.3	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6	0.7	UL/CUL/VDE/CE	35.95	32.36	29.12	26.21
	355064	ReliaPro	JR-TT-40-12	40	+12/3.33	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/2	0.6	UL/CUL/TUV/CE	36.95	29.95	27.75	24.95
	1708625	HiPro	HP02040043	40	+12/3.33	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.4 x 1.2	5'/2	0.7	UL/CUL/TUV/CE	19.95	18.95	14.95	12.95
	229017	Phihong	PSA31U-150	30	+15/2.0	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/2	0.5	UL/CUL/TUV/CE	28.15	25.25	23.41	21.46
	221576	Mean Well	P40A-4P2JU	40	+15/2.7	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6	0.8	UL/CUL/TUV/CE	37.45	33.62	30.25	27.23
	229026	Phihong	PSC30U-240-R	30	+24/1.25	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/2	0.5	UL/CUL/TUV/CE	27.19	24.70	22.72	21.58
	181885	Mean Well	P40A-6P2JU	40	+24/1.7	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6	0.7	UL/TUV/CE	42.45	38.19	34.36	30.93
	297757	Mean Well	P40A-6P2MU	40	+24/1.7	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6	0.7	UL/CUL/VDE/CE	41.69	37.54	33.78	30.40
	221584	Mean Well	P40A-8P2JU	40	+48/0.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6	0.8	UL/CUL/TUV/CE	37.35	33.62	26.90	22.18
211191	Westinghouse	FSA30P31	30	+5/3, ±12/0.8	85-264@47-63	5-pin DIN M	No	Black	5.8 x 3.0 x 1.7	4'/2	1.1	UL/CSA/TUV	24.95	22.49	19.95	15.95	
404443	AcroPower	ASX30T-577/07	30	+5/3, ±12/0.1, -12/0.5	100-240@50-60	5-pin DIN M	No	Black	6.0 x 3.5 x 2.0	6'/6	2.0	UL/CUL/CE	19.95	17.95	13.95	10.95	
41-50 Watt	221488	Mean Well	SPU50-1U	50	+5/10	90-264@47-63	5-pin DIN M	Yes	Black	5.7 x 3.0 x 1.7	6'/6	2.0	UL/CUL/TUV/CE	51.85	46.90	42.02	37.82
	1940213	EDAC, INC.	EA10302	30	+9/3.3	90-264 @ 47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 1.8 x 1.2	4'/1	0.5	UL/CUL/TUV/CE	20.95	18.95	17.95	17.95
	622547	Samsung	AD-4212L	42	+12/3.5	100-240@50/60	1.6mm x 4.0mm F 2	Yes	Black	4.5 x 2.1 x 1.2	6'/2	0.6	UL/CUL/CE	24.95	22.49	19.95	17.95
	622555	Samsung	AD-4212L-2.1	42	+12/3.5	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.5 x 2.1 x 1.2	6'/2	0.6	UL/CUL/CE	24.95	22.49	19.95	17.95
	1940264	EDAC, INC.	EA1050E	42	+12/3.5	90-264 @ 47-63	2.1mm x 5.5mm F 2	No	Black	4.7 x 2.4 x 1.4	4'/2	0.6	UL/CUL/TUV/CE	29.95	26.95	23.95	21.95
	1940230	EDAC, INC.	EA1030D2	30	+24/1.25	90-264 @ 47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 1.8 x 1.2	4'/1	0.5	UL/CUL/TUV/CE	22.95	19.95	17.95	15.95
	1537256	Ault	PW125RA2403F2	41	+24/1.7	100-250@50-60	2.5mm x 5.5mm F 2	Yes	Black	3.9 x 2.6 x 1.7	6'/2	0.7	UL/CUL/TUV/CE	17.95	15.95	12.95	10.95
	1940281	EDAC, INC.	EA1050D	50	+24/2.08	90-264 @ 47-63	2.1mm x 5.5mm F 2	No	Black	4.7 x 2.4 x 1.4	4'/2	0.6	UL/CUL/TUV/CE	29.95	26.95	23.95	21.95
	1940272	EDAC, INC.	EA1050C	50	+12/4.16	90-264 @ 47-63	2.1mm x 5.5mm F 2	No	Black	4.7 x 2.4 x 1.4	4'/2	0.6	UL/CUL/TUV/CE	29.95	26.95	23.95	21.95
	221702	Mean Well	P50A13D-R1BU	50	+5/4.0, +12/2.0, -12/0.5	90-264@47-63	5-pin DIN M	Yes	Black	5.7 x 3.0 x 1.7	4'/6	1.5	UL/CUL/TUV/CE	56.35	50.75	45.68	41.08
211107	Fortron	FSA55P31	45	+5/5, +12/3, -12/0.5	85-264@50-60	5-pin DIN M	Yes	Black	7.0 x 3.8 x 2.2	4'/2	1.6	UL/CSA/TUV	39.95	34.95	29.95	24.95	
237366	Mean Well	P50A14E-R1BU	42	+5/3.5, +15/1.2, -15/0.3	100-240@47-63	5-pin DIN M	Yes	Black	5.8 x 3.0 x 1.7	4'/6	1.2	UL/CUL/TUV/CE	39.95	36.95	32.95	29.95	
60-120 Watt	155231	Mean Well	SPU50-3U	60	+12/5.0	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6	1.3	UL/CSA/TUV	63.35	58.41	52.57	47.31
	297722	Mean Well	SPU50-3P2MU	60	+12/5.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6	1.3	UL/CUL/TUV/CE	49.95	44.95	44.45	43.96
	1586314	Phihong	PSC60M-120-R	60	+12/5.0	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	5.1 x 2.4 x 1.3	4'/2	0.7	UL/CUL/TUV/CE	39.55	35.89	33.10	31.44
	376607	Mean Well	P66A-3P2JU	66	+12/5.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6	1.2	UL/CSA/TUV/CE	42.25	37.69	36.15	34.34
	379672	Mean Well	P66A-3P2MU	66	+12/5.5	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6	1.2	UL/CSA/TUV/CE	41.95	38.31	33.52	31.91
	1940811	Mean Well	FM90C12-P1MU	80	+12/6.6	90-264 @ 47-63	2.5mm x 5.5mm F 2	No	Black	5.3 x 2.3 x 1.2	4'/6	0.9	UL/CUL/TUV/CE	76.95	72.95	69.95	65.95
	221429	Mean Well	U65S105-P2JU	80	+12/6.7	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6	2.0	UL/CUL/TUV/CE	67.95	59.95	55.95	45.95
	391743	Mean Well	P66A-4P2JU	66	+15/4.4	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6	1.2	UL/CSA/TUV/CE	42.25	37.25	36.05	34.05
	243046	Mean Well	P66A-5P2JU	66	+18/3.66	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6	1.2	UL/CUL/TUV/CE	46.19	41.90	38.66	35.46
	221445	Mean Well	U65S107-P2JU	80	+18/4.4	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6	2.0	UL/CUL/TUV/CE	77.95	66.35	59.94	56.99
	161606	Mean Well	SPU50-6U	60	+24/2.5	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.6 x 2.9 x 1.6	1'9/16	1.3	UL/CSA/TUV	51.95	45.95	43.95	37.95
	297634	Mean Well	SPU50-6P2MU	60	+24/2.5	95-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6	1.3	UL/CUL/TUV/CE	63.35	58.41	55.49	52.72
	1537125	EDAC	EA1050B-240	60	+24/2.5	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.8 x 2.4 x 1.4	6'/2	1.8	UL/CUL/TUV/CE	34.95	31.45	28.30	25.45
	355056	ReliaPro	JR-TT-66-24	66	+24/2.75	90-264@50-60	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/2	1.2	UL/CUL/TUV/CE	45.45	43.16	41.00	38.94
	1708342	Potrans	BUP07211240	72	+24/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	5.3 x 2.3 x 1.4	6'/2	1.0	TUV/CE	39.95	35.95	31.95	28.95
	221453	Mean Well	U65S108-P2JU	80	+24/3.3	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6	2.0	UL/CUL/TUV/CE	65.59	55.84	50.44	47.96
	1586322	Phihong	PSC60M-240-R	60	+24/2.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	5.1 x 2.4 x 1.3	4'/2	0.7	UL/CUL/TUV/CE	39.55	35.89	33.10	31.44
	1940838	Mean Well	FM90C42-P1MU	90	+24/3.75	90-264 @ 47-63	2.5mm x 5.5mm F 2	Yes	Black	5.3 x 2.3 x 1.2	4'/6	0.9	UL/CUL/TUV/CE	76.95	72.95	69.95	65.95
	376615	Mean Well	P66A-8P2JU	66	+48/1.37	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6	1.2	UL/CSA/TUV/CE	49.95	41.79	37.99	36.10

* See accessory table-top power cord chart on page 125 when AC cord needed; refer to 1 or 2 in "Cord (DC/AC)" column above for correct power cord

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

3-Wire Regulated Table-Top Power Supplies continued on next page

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

Table-Top Power Supplies, European & Slim Line Wall Adapters

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISE
JAMECO HOUSE BRANDS
FACTORY OVERRUN

Additional Table-Top Power Supplies are available online at www.Jameco.com/Power

For International Power Cords see pages 134.



221462



1708633








We will change any power plug (pg 88) on any table-top power supply (100 pc. minimum) for a small additional charge.

Polarity 1 \oplus \ominus (center negative)



Polarity 2 \ominus \oplus (center positive)

NEW MARKED IN PINK

Power	Part Number	Brand ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing				QUANTITY SAVE
				Pwr (W)	Volts (VDC)/ Current (A)									1	10	50	100	
3-Wire AC Input – Regulated Switching (Continued)																		
60-120 Watt	172065	Mean Well 	SPU50-9U	60	+48/1.25	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.6 x 2.9 x 1.7	6'/6"	1.3	UL/CSA/TUV	\$53.95	\$48.59	\$43.74	\$42.37	
	221462	Mean Well 	U6SS111-P2JU	80	+48/1.7	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6"	2.0	UL/CUL/TUV/CE	70.15	59.71	53.95	51.29	
	1708633	INTL Power	HUP80-31Q8	60	+5/6; +12/2.12; -12/0.3	100-240@47-63	5-pin DIN M	Yes	Black	6.6 x 2.9 x 1.9	4' / 2	1.2	UL/CUL/TUV/CE	29.95	26.95	23.95	19.95	
	1940846	Mean Well 	AS-120P-12	100	+12/8.4	90-264 @ 47-63	5-pin DIN M	No	Black	6.6 x 2.6 x 1.4	4' / 2	1.2	UL/CUL/TUV/CE	99.95	94.95	89.95	84.95	
	1940854	Mean Well 	AS-120P-15	100	+15/6.7	90-264 @ 47-63	5-pin DIN M	No	Black	6.6 x 2.6 x 1.4	4' / 2	1.2	UL/CUL/TUV/CE	99.95	94.95	89.95	84.95	
	1940871	Mean Well 	AS-120P-24	120	+24/5	90-264 @ 47-63	2.5mm x 5.5mm F 2	No	Black	6.6 x 2.6 x 1.4	4' / 2	1.2	UL/CUL/TUV/CE	99.95	94.95	89.95	84.95	

* See accessory table-top power cord chart on page 125 when AC cord needed; refer to 1 or 2 in "Cord (DC/AC)" column above for correct power cord

▲ Brand and product number may vary except for Mean Well



Energy Star/European Compliant Interchangeable-Plug Wall Adapters



Meets US and European Energy Star compliance. Approved for European high-efficiency power applications.

- Field changeable AC plugs (sold separately, see below)
- Regulated output
- Input voltage: 90-264VAC @ 47-63Hz
- Power-On LED
- Output connector: 2.1mm x 5.5mm female center positive
- Energy Star and ECOC compliant
- Double insulated
- Class B EMI

Wall Adapters (plug clip required, see below)

- Applications: wireless communications, portable equipment, digital camera, peripherals, networking



Shown with plug clip not included

Shown with plug clip included

Part No.	Product No.	Power (W)	Output Volt. (VDC)	Current (A)	Ripple (mVp-p)	Line Regulation	Load Regulation	Efficiency (%)	Dimensions (L" x W" x H")	Pricing			
										1	5	25	100
662881	PSM11R-120	10	12	0.84	120	±5%	±5%	65 - 70	2.8 x 1.8 x 1.2	\$16.65	\$15.80	\$15.02	\$14.27
1586226	PSA15R-050-R	15	5	3.0	50	±5%	±5%	70 - 85	2.8 x 2.0 x 1.3	17.35	15.90	14.88	14.30
662910	PSA15R-120P	15	12	1.25	120	±5%	±5%	70 - 85	2.8 x 2.0 x 1.3	18.29	17.05	15.92	15.89

Plug Clip Kit (sold separately, required for above adapters)

Part No.	Product No.	Description	1	10	50	100
229163	RPE	European plug	\$.65	\$.62	\$.61	\$.60
229181	RPKIT	Kit w/ RPA/RPE/RPK/RPS	2.95	2.66	2.57	2.54



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JAMECO ReliaPro

"Slim Line" Regulated Switching Wall Adapters

Compact in size and lightweight, they are the perfect power solution in all those applications where space is critical. And their high efficiency satisfies requirements for minimizing power losses. You no longer have to deal with traditional wall adapters that block unused outlets in wall plates and power strips/surge protectors.

- 2-wire AC input
- Input voltage: 100 - 240VAC @ 47-63Hz
- Output connector: 2.1mm x 5.5mm F2 (center positive)
- Output cord length: 6'
- Color: black
- One-year warranty

NEW MARKED IN PINK

JAMECO EXCLUSIVE

We'll Brand the Adapters With Your Company Name Call 1-800-831-4242 for Details



Choose from 2 Models!		Output Rating		Size (H"xW"xD")	Wt. (lbs.)	Pricing				QUANTITY SAVE
RoHS Part No.	CEC Part No.	Volt (VDC)	Curr. (mA)			1	10	50	100	
251564	251565	3.3	1500	2.5x1.1x1.7	0.2	\$13.25	\$11.93	\$9.54	\$7.16	
251599	—	3.3	2500	2.9x1.3x2.2	0.3	12.65	11.39	9.11	6.86	
252701	—	5	500	2.5x1.1x1.7	0.2	11.95	10.95	9.95	8.95	
252719	252720	5	1000	2.5x1.1x1.7	0.2	12.45	11.26	10.39	10.03	
252727	252728	5	1500	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.21	
252735	252736	5	2500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60	
252752	252753	9	500	2.5x1.1x1.7	0.2	12.05	10.94	10.09	9.74	
252770	—	9	800	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22	
252778	252779	9	1200	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60	
252786	—	9	1500	2.9x1.3x2.2	0.3	13.75	12.38	9.90	7.43	

Choose from 2 Models!		Output Rating		Size (H"xW"xD")	Wt. (lbs.)	Pricing				QUANTITY SAVE
RoHS Part No.	CEC Part No.	Volt (VDC)	Curr. (mA)			1	10	50	100	
252794	252795	12	250	2.5x1.1x1.7	0.2	\$11.55	\$10.47	\$9.67	\$9.33	
252807	252808	12	500	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74	
252815	252816	12	600	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22	
252823	252824	12	1000	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60	
252832	—	12	1250	2.9x1.3x2.2	0.3	14.25	12.94	11.94	11.52	
254757	—	15	800	2.9x1.3x2.2	0.2	13.45	12.11	9.69	7.27	
252903	252904	15	1000	2.9x1.3x2.2	0.3	15.95	14.49	13.37	12.90	
252858	—	24	250	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74	
252866	—	24	500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60	
252874	—	24	630	2.9x1.3x2.2	0.3	13.75	12.47	11.94	11.52	

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

AC-to-AC & AC-to-AC-to-DC Power Supplies & Wall Adapters

Additional Wall Adapters are available online at www.Jameco.com/Power

AC-to-AC Wall Adapters

We specialize in Wall Adapters – Call for additional OEM PRICING.

We will change any power plug (pg 88) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

- Input: 120VAC @ 60Hz
- One-year warranty



Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD Plug Type F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing				QUANTITY 1AVE
			Voltage (VAC)	Current (mA)							1	10	50	100	
249017	ReliaPro	ACU070150	7	1500	2.5mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	\$6.19	\$5.61	\$4.47	\$4.02	
210729	ITE Power Supply	MKA35090300	9	300	2.1mm x 5.5mm F	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.95	4.95	3.95	2.95	
100061	ReliaPro	ACU090050	9	500	2.1mm x 5.5mm F	2.7 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	6.39	5.75	4.89	3.99	
236814	ReliaPro	ACU090080	9	800	3.5mm M	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	6.55	5.88	5.30	4.77	
233294	ReliaPro	ACU090080	9	800	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL	5.65	5.09	4.07	3.05	
1581281	—	AA-091A	9	1000	2.1mm x 5.5mm F	2.2 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	5.95	4.95	3.95	2.95	
1586154	—	A9-1A	9	1000	2.5mm x 5.5mm F	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	5.95	4.95	3.95	2.95	
102234	ReliaPro	ACU090100	9	1000	2.1mm x 5.5mm F	3.2 x 2.2 x 1.9	Black	6'	0.6	UL/CSA	6.05	5.44	4.92	3.69	
157041	ReliaPro	ACU090100	9	1000	2.5mm x 5.5mm F	2.1 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	9.19	8.27	7.44	6.70	
320258	Ault	T48091500A010G	9	1500	2.5mm x 5.5mm F	2.5 x 2.2 x 2.0	Black	6'	0.9	UL/CSA	9.95	8.95	7.95	6.95	
112336	ReliaPro	ACU090150	9	1500	2.5mm x 5.5mm F	2.5 x 2.2 x 2.0	Black	6'	0.9	UL	12.95	11.95	9.95	8.95	
217550	Frino	FW6798	9	1900	Stripped and tinned	2.8 x 2.5 x 2.0	Black	6'8"	1.1	UL/CSA	5.95	4.95	3.95	2.95	
688634	—	PP-1012-A	10	1200	2.5mm x 5.5mm F	3.5 x 2.5 x 1.9	Black	6'	1.3	UL	4.95	4.49	3.95	2.95	
1707155	Multi-Link	AA-1250G	12	500	2.1mm x 5.5mm F	2.2 x 2.1 x 1.6	Black	6'	0.6	UL	5.95	4.95	3.95	2.95	
101258	ReliaPro	ACU120050	12	500	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.29	6.05	5.93	5.44	
10081	ReliaPro	ACU120100	12	1000	2.1mm x 5.5mm F	2.6 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	7.59	7.19	7.19	5.99	
100167	ReliaPro	A411201000U	12	1000	2.5mm x 5.5mm F	3.2 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	7.59	7.19	6.87	5.99	
10428	ReliaPro	ACU120100	12	1000	3.5mm M	2.6 x 2.4 x 2.0	Black	6'	0.6	UL/CUL	6.09	5.48	4.38	3.29	
309884	—	AA-121A	12	1000	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	—	UL/CUL	5.95	4.95	3.95	2.95	
167151	ReliaPro	ADU120150	12	1500	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	7.59	6.87	6.10	5.13	
307838	ReliaPro	ADU120160	12	1600	2.5mm x 5.5mm F	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	14.45	13.20	10.80	9.35	
153761	ReliaPro	ADU120160	12	1600	3.5mm M	2.5 x 2.2 x 1.9	Black	6'	0.9	UL	14.45	13.01	11.72	10.54	
206404	MG Electronics	MGT1220	12	1670	Screw terminals	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	7.55	6.40	6.19	5.34	
318684	ReliaPro	ACU140085	14	850	2.5mm x 5.5mm right angle F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	14.35	10.80	9.64	8.22	
421585	JBL Inc	A12-1A-01	14	850	2.5mm x 5.5mm F	2.5 x 1.9 x 1.6	White	6'	0.6	UL/CSA	5.95	4.95	3.95	2.95	
100108	ReliaPro	ADU160100	16	1000	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	10.49	9.46	7.56	5.67	
163053	ReliaPro	ADU160110	16	1100	2.5mm x 5.5mm F	3.2 x 2.3 x 1.8	Black	6'	1.1	UL/CSA	9.85	8.87	7.10	5.33	
121216	ReliaPro	ADU180100	18	1000	2.1mm x 5.5mm F	3.1 x 2.7 x 1.9	Black	6'	1.1	UL/CUL	9.85	8.86	7.98	6.77	
185439	Ault	T5182200-A020G†	18	1850	2.1mm x 5.5mm right angle F	3.3 x 2.7 x 2.2	Black	6'	1.7	None	11.05	9.90	7.92	6.10	
87581	ReliaPro	ADU240050	24	500	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	6.89	6.52	6.25	5.48	
206439	MG Electronics	MGT2420	24	830	Screw terminals	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	7.95	6.95	6.25	5.59	
140599	ReliaPro	ADU240100	24	1000	2.1mm x 5.5mm F	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	11.85	10.50	8.43	6.35	
10102	ReliaPro	ADU240100	24	1000	3.5mm M	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	10.49	9.47	8.51	7.14	
176356	ReliaPro	AFU240125	24	1250	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	5'8"	1.6	None	13.85	12.88	10.53	8.31	

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Pihong and Globtek † 3-Prong

AC-to-DC Regulated Switching Wall Adapters

We specialize in Wall Adapters – Call for additional OEM PRICING.

We will change any power plug (pg 88) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



689864



319881

Part Number	Brand ▲	Product Number ▲	Output Rating		Output Connector ID x OD/Polarity F = female; M = male	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)								1	10	50	100
1586218	Pihong	PSA05A-050-R	5	1000	Mini-USB	100-240@50-60	2.6 x 1.1 x 1.6	Black	6'	0.8	UL/CUL/TUV/CE	\$7.89	\$7.11	\$6.89	\$6.52
1940660	Mean Well	GS06U1P1J	5	1000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.99	18.99	17.99	15.99
1809805	Globtek	WR9HA1000CP-F(R)	5	1000	2.1mm x 5.5mm F 2	100-240@50-60	2.1 x 1.2 x 1.6	Black	6'	0.2	UL/CUL/CE	12.95	10.95	9.95	8.95
1940740	Mean Well	GS12U05P1I	5	2000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	4'	0.3	UL/CUL	29.99	28.49	26.99	24.99
210894	ReliaPro	S15AB050200	5	2000	2.5mm x 5.5mm F 2	100-240@47-63	2.9 x 1.4 x 2.2	Black	6'	0.2	UL/CUL	14.25	12.86	11.54	9.63
189190	Interex	EPA101MU-05B	5	2000	2.5mm x 5.5mm F 1	100-240@50-60	3.2 x 2.8 x 1.3	Black	6'	0.4	UL/CUL	10.95	9.95	8.95	7.95
689864	DVE	DSA-0151A-05	5	2400	2.5mm x 5.5mm right angle F 2	100-120@50-60	3.2 x 2.1 x 1.4	Black	6'	0.5	UL/CUL	9.95	8.95	7.95	6.95
1919158	Compaq	281855-001	5	3000	1.3mm x 3.5mm F 2	100-240@50-60	3.1 x 1.4 x 2.2	Black	6'	0.3	UL/CUL/TUV/CE	8.95	7.95	6.95	5.95
319881	Mean Well	ES18U05-PIJ	5	3000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.65	12.60	11.79	10.98
379622	Mean Well	ES25U05-P1J	5	4000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.65	13.59	12.91	12.27
380323	Mean Well	ES25U05-P1M	5	4000	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.75	14.68	13.63	12.57
1918702	Globtek	GT-41052-1506	6	2500	2.5mm x 5.5mm right angle F 2	100-240@50-60	2.9 x 1.7 x 1.5	Black	6'	0.5	UL/CUL/CE	10.95	9.95	8.95	7.95
1940678	Mean Well	GS06U-11P1J	7.5	800	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.99	18.99	17.99	15.99
1940758	Mean Well	GS12U07-IP1I	7.5	1600	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	29.99	28.49	26.99	24.99

▲ Brand and product number may vary except for ReliaPro, Mean Well, Pihong and Globtek

†† Interchangeable plugs

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 175.



For more Wall Adapters visit www.Jameco.com/Power

AC-to-DC Regulated Wall Adapters



Additional Wall Adapters are available online at www.Jameco.com/Power

AC-to-DC Regulated Switching Wall Adapters (Continued)

We specialize in Wall Adapters – Call for additional OEM PRICING.

We will change any power plug (pg 88) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



1707112

Polarity 1 \oplus \ominus \ominus (center negative)



Female

Polarity 2 \ominus \oplus \oplus (center positive)



689864

Part Number	Brand ▲	Product Number ▲	Output Rating		Output Connector ID x OD/Polarity F = female; M = male	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing				QUANTITY SAVE
			Voltage (VDC)	Current (mA)								1	10	50	100	
380007	Mean Well	ES25U07-P1J	7.5	2930	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	\$15.89	\$14.83	\$13.77	\$12.70	
1940686	Mean Well	GS06U-2P1J	9	660	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.99	18.99	17.99	15.99	
1940766	Mean Well	GS12U09-P1I	9	1330	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	29.99	28.49	26.99	24.99	
228947	Phihong	PSC15A-090	9	1600	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	19.69	17.72	15.94	14.35	
319899	Mean Well	ES18U09-PIJ	9	2000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.05	12.03	11.26	10.48	
380139	Mean Well	ES25U09-P1J	9	2780	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.89	14.83	13.77	12.70	
380350	Mean Well	ES25U09-P1M	9	2780	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.85	13.77	12.12	10.47	
1940694	Mean Well	GS06U-3P1J	12	500	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.99	18.99	17.99	15.99	
1940774	Mean Well	GS12U12-P1I	12	1000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	29.99	28.49	26.99	24.99	
1918817	Mean Well	SW12U12-P1I	12	1000	2.1mm x 5.5mm F 2	100-240@50-60	2.6 x 2.0 x 1.0	Black	6'	0.4	UL/CUL	12.95	11.95	10.95	9.95	
312865	Mean Well	ES18U12-P1J	12	1500	2.1mm x 5.5mm F 2	100-240@50-60	3.2 x 2.1 x 1.3	Black	6'	0.2	UL/CUL/CE	14.99	13.85	12.96	12.07	
380155	Mean Well	ES25U12-P1J	12	2080	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.09	14.03	13.32	12.67	
380358	Mean Well	ES25U12-P1M	12	2080	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.79	15.39	14.94	14.23	
1940707	Mean Well	GS06U-4P1J	15	400	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.99	18.99	17.99	15.99	
1940782	Mean Well	GS12U15-P1I	15	800	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	29.99	28.49	26.99	24.99	
1707112	Mean Well	SW12U15-P1I	15	800	2.1mm x 5.5mm F 2	100-240@50-60	2.6 x 2.0 x 1.0	Black	6'	0.5	UL/CUL/CE	14.95	13.49	11.95	9.95	
319920	Mean Well	ES18U15-PIJ	15	1200	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.05	11.75	9.39	7.79	
380172	Mean Well	ES25U15-P1J	15	1670	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.75	14.03	13.60	10.20	
1940715	Mean Well	GS06U-5P1J	18	330	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.99	18.99	17.99	15.99	
1940791	Mean Well	GS12U18-P1I	18	670	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	29.99	28.49	26.99	24.99	
380190	Mean Well	ES25U18-P1J	18	1390	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.89	14.85	13.74	12.70	
1940723	Mean Well	GS06U-6P1J	24	250	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.99	18.99	17.99	15.99	
1940803	Mean Well	GS12U24-P1I	24	500	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	19.99	18.99	17.99	15.99	
319928	Mean Well	ES18U24-PIJ	24	750	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.25	12.25	11.46	9.98	
380201	Mean Well	ES25U24-P1J	24	1040	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.49	14.85	13.74	12.70	
380391	Mean Well	ES25U24-P1M	24	1040	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	17.09	16.55	16.02	15.47	
380219	Mean Well	ES25U28-P1J	28	890	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.15	14.08	13.37	12.71	
380412	Mean Well	ES25U36-P1M	36	690	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.95	14.59	13.59	12.59	
1940731	Mean Well	GS06U-8P1J	48	125	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.99	18.99	17.99	15.99	
380243	Mean Well	ES25U48-P1J	48	520	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.65	13.59	12.91	12.27	
380446	Mean Well	ES25U48-P1M	48	520	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.95	14.59	13.59	12.59	

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

AC-to-DC Regulated Linear Wall Adapters

We specialize in Wall Adapters – Call for additional OEM PRICING.

We will change any power plug (pg 88) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



681571

Polarity 1 \oplus \ominus \ominus (center negative)



Female

Polarity 2 \ominus \oplus \oplus (center positive)



Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD/Polarity F = female; M = male	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing				QUANTITY SAVE
			Voltage (VDC)	Current (mA)								1	10	50	100	
164101	ReliaPro	RDU050050	5	500	2.1mm x 5.5mm F 2	120@60	2.8 x 2.0 x 1.6	Black	6'	0.6	—	\$10.95	\$9.86	\$8.87	\$7.98	
220935	ReliaPro	DDU050060	5	600	2.1mm x 5.5mm F 1	120@60	2.7 x 2.2 x 1.9	Black	6'	0.8	UL/CUL	15.49	13.93	11.15	8.36	
289182	AESP	AD-5600RDU	5	600	2.1mm x 5.5mm F 2	120@60	3.1 x 2.8 x 1.9	Black	6'	0.9	UL/CUL	10.95	9.95	8.95	7.95	
319986	DVE	DV-580R	5	800	2.5mm x 5.5mm F 2	120@60	3.2 x 2.2 x 2.0	Black	6'	1.0	UL/CUL	6.95	5.95	4.95	3.95	
297941	—	JOD-480-08	5	1000	2.5mm x 5.5mm F 2	120@60	3.1 x 2.3 x 1.9	Black	6'	0.9	UL	11.95	10.95	9.95	8.95	
168605	ReliaPro	DBU050100	5	1000	2.5mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	13.39	12.35	11.36	9.76	
681571	ITE	RWP480505-2	5	1000	2.5mm x 5.5mm right angle F 2	120@60	3.5 x 2.2 x 1.9	Black	6'	1.0	UL/CUL	7.95	6.95	5.95	4.95	
1919220	—	FE4823	5	1200	2.5mm x 5.5mm F 2	120@60	3.5 x 2.4 x 1.9	Black	6'	1.2	UL/CUL	9.95	8.95	7.95	6.95	
190512	ReliaPro	DBU60020-H3570	6	200	2.1mm x 5.5mm F 2	120@60	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	9.19	8.27	7.18	5.37	
283573	—	DC600500	6	500	2.1mm x 5.5mm F 2	120@60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.95	5.95	4.95	4.25	
190529	NOMA	AD9123	9	250	2.5mm x 5.5mm right angle F 2	120@60	2.5 x 2.0 x 1.6	Black	12'	0.5	UL/CSA	7.15	6.44	5.79	5.25	
220898	ReliaPro	DCU120020	12	200	2.1mm x 5.5mm F 1	120@60	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	12.45	10.50	9.86	9.29	
162996	ReliaPro	DDU120050	12	500	2.1mm x 5.5mm F 2	120@60	3.2 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	13.15	11.83	10.64	9.58	
170245	ReliaPro	RDU120100	12	1000	2.1mm x 5.5mm F 2	120@60	3.2 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	19.95	17.95	16.15	13.45	
174861	ReliaPro	DFU240050	24	500	2.1mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	16.45	14.84	13.42	12.13	
174879	ReliaPro	DCU090025	24	500	2.5mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	14.05	12.70	11.40	10.29	

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

⬢ Blue Part No. = Limited Quantity Available



This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Wall Adapters are available online at www.Jameco.com/Power



AC-to-DC Unregulated Wall Adapters

We specialize in Wall Adapters – Call for additional OEM PRICING.

We will change any power plug (pg 88) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



- Input: 120VAC @ 60Hz
- One-year warranty

Polarity 1 (center negative)



Polarity 2 (center positive)

Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing				QUANTITY SAVE
			Voltage (VDC)	Current (mA)							1	10	50	100	
112070	ReliaPro	DBU050022	5	225	2.5mm x 5.5mm F 2	1.9 x 2.2 x 2.0	Black	7'	0.3	UL/CSA	\$8.29	\$7.47	\$6.72	\$6.05	
155601	ReliaPro	DCU050100	5	1000	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Black	6'	0.7	UL/CSA	6.25	5.61	5.04	4.20	
320303	Globtek	WRIA1000CCP-N	5	1000	2.1mm x 5.5mm F 2	3.2 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.49	8.55	6.85	5.15	
302439	Dynage	AD-0630M	6	300	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	5.95	4.95	3.95	2.95	
119255	ReliaPro	DBU060050	6	500	2.1mm x 5.5mm F 1	2.3 x 1.8 x 1.8	Black	6'	0.6	UL/CUL	5.95	5.36	4.82	4.14	
101266	ReliaPro	DBU060050	6	500	2.1mm x 5.5mm F 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	4.85	4.58	4.21	3.88	
15544	ReliaPro	DBU060050	6	500	3.5mm M 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	5.49	4.97	3.97	2.98	
147707	ReliaPro	DBU060080	6	800	2.1mm x 5.5mm F 2	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	7.19	6.59	5.75	5.09	
220943	ReliaPro	DCU060120	6	1200	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	10.45	9.95	7.79	6.44	
220951	ReliaPro	DCU075100	7.5	1000	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	8.69	7.39	5.92	4.44	
248751	Uniq	AD-071A	7.5	1000	2.5mm x 5.5mm F 2	2.3 x 2.3 x 1.9	Black	6'	0.9	UL/CSA	5.95	4.95	3.95	2.95	
1581337	KTEC	KA1200751120045U	7.5	1200	2.1mm x 5.5mm F 2	3.0 x 2.2 x 1.7	Black	6	0.9	UL/CUL	5.95	4.95	3.95	2.95	
280250	ReliaPro	DDU075110	7.5	1100	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	8.39	7.55	6.04	4.53	
127511	ReliaPro	DDU080100	8	1000	2.1mm x 5.5mm F 2	3.1 x 2.5 x 2.1	Black	6'	1.3	UL	8.75	7.72	6.80	5.10	
355936	ENG	35-9-200C	9	200	1.3mm x 3.5mm F 2	2.5 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	5.95	4.95	4.49	3.95	
100845	ReliaPro	DBU090020	9	200	2.1mm x 5.5mm F 2	2.1 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.59	4.37	4.07	3.70	
134025	ReliaPro	DBU090020	9	200	2.1mm x 5.5mm F 1	2.1 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	6.65	5.99	4.79	3.59	
100837	ReliaPro	DBU090020	9	200	3.5mm M 2	2.6 x 1.8 x 1.6	Black	6'	0.4	UL/CSA	5.25	5.19	4.74	4.29	
400899	WABI	LF09250D-08	9	250	2.5mm x 3.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	3.95	3.55	2.95	2.49	
133891	ReliaPro	DBU090030	9	300	2.1mm x 5.5mm F 2	2.0 x 1.5 x 1.5	Black	6'	0.4	UL/CSA	4.45	4.37	4.07	3.70	
1585995	Motorola	SPN4622A	9	300	2.1mm x 5.5mm F 2	2.3 x 1.8 x 1.5	Black	6'	.40	UL	4.95	4.49	3.95	2.95	
189238	ReliaPro	DBU090030	9	300	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.35	4.52	3.71	2.96	
318676	ReliaPro	DBU090030	9	300	2.5mm x 5.5mm F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.65	5.46	4.97	4.51	
202155	ReliaPro	DBU090035	9	350	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.3	UL/CUL	4.95	4.40	3.95	3.56	
140636	ReliaPro	DCU090040	9	400	2.5mm x 5.5mm F 2	2.6 x 2.0 x 2.0	Black	6'	0.6	UL/CSA	6.05	4.94	4.39	4.05	
202171	ReliaPro	DCU090045	9	450	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.5	UL/CUL	5.45	5.32	5.09	4.90	
163628	ReliaPro	DCU090050	9	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	7.09	6.38	5.75	5.10	
100853	ReliaPro	DCU090050	9	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	5.19	5.14	5.09	4.67	
147731	ReliaPro	AD-11950	9	500	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Beige	6'	0.6	UL/CSA	5.45	5.25	4.74	4.26	
1810081	CUI Stack	DV-9500	9	500	2.1mm x 5.5mm F 2	2.4 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	5.95	4.95	3.95	2.95	
170270	Panasonic	PQLV1	9	500	2.1mm x 5.5mm right angle F 1	2.7 x 1.9 x 1.8	Gray	6'	0.6	UL/CSA	4.95	4.46	3.56	2.67	
236937	ReliaPro	DCU090050A	9	500	2.5mm x 5.5mm right angle F 2	2.5 x 2.0 x 1.7	Black	6'	0.4	UL/CSA	6.25	5.99	5.87	3.79	
15561	ReliaPro	DCU090050	9	500	3.5mm M 2	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	6.45	5.78	5.20	4.68	
1586162	CUI Stack	DPD090050	9	500	3.5mm M 2	2.3 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	4.95	3.95	3.49	2.95	
202180	ReliaPro	DCU090060	9	600	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.19	5.07	4.90	4.67	
100175	ReliaPro	DCU090060	9	600	2.5mm x 5.5mm F 2	2.7 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.09	5.80	5.23	4.75	
652341	Cidco	SPA-4180-65	9	600	2.5mm x 5.5mm right angle F 2	2.6 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	5.29	4.75	3.81	2.85	
202198	ReliaPro	DCU090080	9	800	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	9.59	8.82	7.22	5.41	
421577	Powerline	0900-12	9	850	2.5mm x 5.5mm F 2	2.7 x 2.1 x 1.7	Black	6'	0.8	UL/CSA	6.95	5.95	4.95	3.95	
164929	Horizon	DDU090100	9	900	2.1mm x 5.5mm F 1	2.7 x 2.3 x 1.8	Black	6'	0.9	UL/CUL	6.95	5.95	4.95	3.95	
364576	ReliaPro	DDU090100J0490	9	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	10.95	9.46	8.33	6.62	
421690	Fisher Price	SA48-29A	9	1000	2.1mm x 5.5mm F 2	3.1 x 2.2 x 1.8	Black	6'	1.1	UL/CSA	5.95	4.95	3.95	2.95	
227774	GTE	ADP2108GT	9	1000	2.1mm x 5.5mm right angle F 2	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	5.95	4.95	3.95	2.95	
127504	ReliaPro	DC910F5-VP	9	1000	2.5mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	9.49	8.53	7.68	6.38	
1586082	GTE	ADP2108GT	9	1000	2.5mm x 5.5mm F 2	2.6 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	5.95	4.95	3.95	2.95	
15587	ReliaPro	DDU090100	9	1000	3.5mm M 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	9.35	8.62	6.74	5.06	
130526	ReliaPro	DDU090120	9	1200	2.1mm x 5.5mm F 1	2.4 x 2.0 x 1.8	Black	6'	1.0	UL/CSA	9.85	8.86	7.29	6.59	
143693	ReliaPro	DFU0901500A3040	9	1500	2.1mm x 5.5mm F 2	3.3 x 2.5 x 2.3	Black	6'	1.3	UL/CSA	10.99	9.49	8.49	6.99	
457799	Condor	DSA-0151F-09	9	2000	2.1mm x 5.5mm F 1	3.2 x 2.1 x 1.7	Black	6'	0.5	UL/CUL	7.95	6.95	5.95	4.95	
684836	Southwest Bell	KEC-41-100-5	10	500	2.1mm x 5.5mm F 2	2.4 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	5.95	4.95	3.95	2.95	
163993	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm right angle F 1	2.4 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.95	5.35	4.80	4.33	
100095	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm F 2	2.1 x 1.8 x 1.5	Black	6'	0.4	UL/CSA	5.19	4.70	3.75	2.80	
158043	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.85	4.54	3.81	2.85	
220433	ReliaPro	DBU120020	12	200	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Lt. Gray	6'	0.4	UL/CSA	5.19	4.68	3.75	2.81	
185658	ReliaPro	DBU120020	12	200	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	5.29	4.76	3.81	2.86	
219601	ReliaPro	DCU120025	12	250	Stripped & tinned	2.5 x 2.0 x 1.7	Dk. Gray	6'	0.4	UL/CUL	5.29	4.73	3.77	2.95	
318692	ReliaPro	DBU120030	12	300	1.3mm x 3.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.59	3.73	3.29	2.87	
127976	ReliaPro	DCU120030	12	300	2.1mm x 5.5mm F 2	2.6 x 1.8 x 1.6	Black	6'	0.7	UL/CSA	5.99	5.66	5.04	4.64	
249236	ReliaPro	DBU120030	12	300	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.5	UL/CUL	6.45	5.79	4.64	3.48	
190503	ReliaPro	ADA-410	12	400	2.1mm x 5.5mm right angle F 2	2.6 x 2.1 x 1.9	Black	6'	0.5	UL/CUL	10.35	9.32	7.46	5.63	

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Pihong and Globtek

More AC-to-DC Wall Adapters listed on pages 130 & 132

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

AC-to-DC Unregulated Wall Adapters (Continued)

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	GENERIC & NON-FRANCHISED	JAMECO HOUSE BRANDS	FACTORY OVERRUN

Additional Unregulated Wall Adapters are available online at www.Jameco.com/Power

AC-to-DC Unregulated Wall Adapters (Continued)

- Input: 120VAC @ 60Hz
- One-year warranty

We specialize in Wall Adapters – Call for additional OEM PRICING.

We will change any power plug (pg 88) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Curr. (mA)							1	10	50	100
1537441	CUI Stack	KA12D1200450344	12	450	2.1mm x 5.5mm F 2	2.5 x 1.8 x 1.5	Black	6'	0.6	UL/CUL	\$5.95	\$4.95	\$3.95	\$2.95
114825	ReliaPro	DCU120050	12	500	Connector end may vary	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	6.29	4.99	4.37	4.10
695252	ITE Power	AD-41120500	12	500	1.3mm x 3.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	5.95	4.95	3.95	2.95
15368	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	8.29	7.47	6.72	6.04
102496	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	6.49	6.15	5.41	4.92
305103	Spec-Lin	AD1250-5LE	12	500	2.1mm x 5.5mm F 2	2.6 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	6.95	5.95	4.95	3.95
131300	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm right angle F 2	2.6 x 1.3 x 1.7	Beige	6'	0.6	UL/CSA	7.25	6.53	5.65	4.95
102277	ReliaPro	DCU120050U	12	500	2.5mm x 5.5mm F 2	2.5 x 2.1 x 1.7	Black	6'	0.6	UL/CSA	7.19	6.47	5.83	5.24
695261	Spec-Lin	L4D-120050R-2.5	12	500	2.5mm x 5.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	5.95	4.95	3.95	2.95
695279	Spec-Lin	L4D-120050R-3.5	12	500	3.5mm x 5.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	5.95	4.95	3.95	2.95
17267	ReliaPro	DCU120050	12	500	3.5mm M 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	6.05	5.80	5.23	4.75
202201	ReliaPro	DCU120060	12	600	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	7.45	6.92	6.09	4.56
202219	ReliaPro	DCU120070	12	700	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	6.85	6.17	4.94	3.70
121232	ReliaPro	DDU120080	12	800	3.5mm M 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	7.29	6.56	5.25	4.93
117479	ReliaPro	DDU120080	12	800	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.99	7.36	6.77	6.23
129331	ReliaPro	DDU120080	12	800	2.5mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.39	6.65	5.98	5.38
100870	ReliaPro	DDU120100	12	1000	2.1mm x 5.5mm F 2	2.6 x 2.4 x 1.9	Black	6'	0.9	UL/CSA	10.79	9.71	8.74	7.86
240101	Broadxent	AD-121AN	12	1000	2.1mm x 5.5mm F 2	2.8 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	7.95	6.95	5.95	4.95
105478	ReliaPro	DDU120100	12	1000	2.5mm x 5.5mm F 2	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.25	7.42	6.30	4.73
189579	Fellowes	BCU12100	12	1000	2.5mm x 5.5mm right angle F 2	3.2 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	5.95	5.49	4.75	3.95
15392	ReliaPro	DDU120100	12	1000	3.5mm M 2	3.3 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.75	7.88	7.09	6.38
196779	ReliaPro	DDU120120	12	1200	2.5mm x 5.5mm F 2	3.0 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.69	8.70	7.81	6.92
203036	ReliaPro	DDU120150	12	1500	2.1mm x 5.5mm F 1	3.3 x 2.2 x 1.9	Black	6'	1.5	UL/CUL	14.39	12.95	10.39	7.77
313226	ReliaPro	DFU120150	12	1500	Stripped & tinned (w/ on-off switch)	3.4 x 2.6 x 2.2	Black	8'	1.5	UL	13.75	12.40	11.20	9.96
136881	ReliaPro	DFU120150	12	1500	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	14.99	13.49	11.99	10.99
101291	ReliaPro	D571201500U	12	1500	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	13.85	12.89	11.72	10.65
1585987	GlobTek	GT-357-12-1500	12	1500	2.5mm x 5.5mm F 2	3.4 x 2.6 x 2.1	Black	6'	1.5	UL/CUL	10.95	9.85	8.59	7.25
1928151	Leader	481215003CT	12	1500	2.5mm x 5.5mm F 2	3.4 x 2.3 x 2.1	Black	6'	1.5	UL/CUL	10.95	9.95	8.49	6.95
249738	ReliaPro	MW57-1202000	12	2000	Stripped & tinted	3.3 x 2.7 x 2.2	Black	10'	2.0	UL/CUL	9.95	8.95	8.05	7.25
308099	ReliaPro	DDU135100	13.5	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.89	8.90	7.12	5.34
212821	ReliaPro	DBU140030	14	300	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	5.45	4.90	3.91	3.37
129314	Jameco	DV-1250	14	360	2.5mm x 5.5mm right angle F 2	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.95	3.95	3.25	2.95
123932	ReliaPro	DDU140070	14	700	2.1mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	9.35	8.41	6.89	6.19
202260	ReliaPro	DDU140100	14	1000	2.1mm x 5.5mm F 2	3.9 x 2.9 x 2.4	Black	6'	0.9	UL/CUL	10.95	9.56	8.60	6.45
190001	ReliaPro	DCU150050	15	500	2.1mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	6.79	6.11	4.89	3.67
189982	ReliaPro	DCU150050	15	500	2.5mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.99	7.27	5.83	4.38
155803	ReliaPro	DDU150060	15	600	2.1mm x 5.5mm F 1	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CSA	10.89	9.85	8.86	6.65
203502	ReliaPro	DDU150090	15	900	2.5mm x 5.5mm F 2	2.6 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	9.95	9.59	8.59	6.36
151992	ReliaPro	DDU150100	15	1000	2.1mm x 5.5mm F 1	3.1 x 2.0 x 1.9	Beige	6'	1.5	UL/CSA	9.35	8.41	6.72	5.04
191652	ReliaPro	DDU150100	15	1000	2.1mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	11.09	9.99	8.99	8.09
162317	ReliaPro	DDU165050	16	500	2.1mm x 5.5mm F 2	2.5 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	10.49	9.18	8.24	7.38
181729	ReliaPro	DCU180025	18	250	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.6	Black	6'	0.6	UL	7.19	6.47	5.18	3.89
217568	NiteRider	FE4126180P040	18	400	2.5mm x 5.5mm F 2 w/ LED indicator	3.5 x 2.1 x 1.6	Black	6'	0.8	UL/CUL	5.95	4.95	3.95	3.25
163272	ReliaPro	DDU180050-2	18	500	2.1mm x 5.5mm F 2	2.6 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	6.19	5.60	4.86	4.13
206958	ReliaPro	DDU180100	18	1000	2.5mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.4	UL/CUL	10.95	9.86	7.91	5.93
206957	GlobTek	WD1H1000LCX	18	1000	2.5mm x 5.5mm F 2	3.4 x 2.6 x 2.1	Black	6'	1.4	None	9.95	8.96	7.16	5.37
102285	ReliaPro	DDU240040	24	400	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.75	7.91	7.09	6.43
163635	ReliaPro	DDU240050	24	500	2.1mm x 5.5mm F 1	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	14.99	13.49	10.80	8.10
191556	ReliaPro	DDU240050	24	500	2.5mm x 5.5mm F 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.79	9.28	9.10	8.93
139088	ReliaPro	DDU240050	24	500	3.5mm M 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	11.99	10.19	9.29	7.79
168495	ReliaPro	DFU240080	24	800	2.1mm x 5.5mm F 2	2.9 x 1.9 x 1.6	Black	6'	0.4	UL/CUL/TVV	12.89	11.60	10.44	9.40
220960	ReliaPro	DFU240100	24	1000	2.1mm x 5.5mm F 1	3.4 x 2.7 x 2.2	Black	6'	1.6	UL/CUL	16.05	14.96	13.16	9.87
249130	ReliaPro	AFU240120/G8530	24	1200	2.1mm x 5.5mm F 1	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	15.79	14.21	11.37	8.53
249121	ReliaPro	DFU240120/G8520	24	1200	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	21.59	21.10	17.71	16.90
249113	ReliaPro	DFU240120/G8510	24	1200	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
199523	ReliaPro	DDU300050	30	500	2.5mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	11.75	10.55	8.44	6.33
215095	ReliaPro	MW48-4800250	48	250	2.5mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	8.35	7.52	6.02	4.52
215109	ReliaPro	MW57-4800500	48	500	2.5mm x 5.5mm F 2	3.3 x 2.7 x 2.2	Black	6'	1.1	—	10.95	9.86	7.89	6.35
230640	ReliaPro	MW57-4800500-2.1	48	500	2.1mm x 5.5mm F 2	3.3 x 2.7 x 2.2	Black	6'	1.1	—	11.95	10.76	8.60	6.45
15309	ReliaPro	900-051	3, 4.5, 6, 7.5, 9, 12	500	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 Female	3.0 x 2.2 x 2.1	Black	6'	0.7	UL/CSA	9.99	8.99	8.09	6.07
123158	ReliaPro	900-100	1.5, 3, 4.5, 6, 7.5, 9, 12	1000	2.5, 3.5 Male, 9V battery snap (LED ind.)	3.7 x 2.2 x 2.5	Black	6'	0.9	None	10.95	9.86	8.87	7.98

† 120 to 220VAC

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek

⬢ Blue Part No. = Limited Quantity Available

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Wall Adapters and Transformers are available online at www.Jameco.com/Power

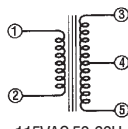
115VAC and 115/230VAC Power Transformers

Power transformers have both single and dual-voltage input and center-tapped outputs. This makes them the perfect choice for power supply design or for use in transformer, rectifier and filter circuits.

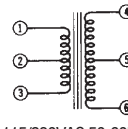
- Primary: 115VAC or 115/230VAC, 50-60Hz



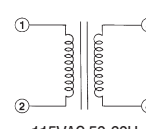
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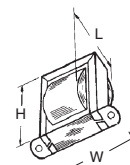
115VAC 50-60Hz
Fig. 1



115/230VAC 50-60Hz
Fig. 2



115VAC 50-60Hz
Fig. 3



	Cross	Triad	Primary				Secondary			Lead		Dimensions			Wt.	Pricing				
Part No.	Ref. No.	Cross#	Color Code			VA	Voltage		Color Code		Type	Fig.	L"	W"	H"	(lbs.)	1	10	100	
102163	XFR6102	F314X	Black	Yellow*	Red	7.6	6.3VCT @ 1.2A		White	Black*	White	Wire	2	1.84	2.40	1.67	0.8	\$13.29	\$11.30	\$8.47
105523	XFR0910	—	Black	White*	Red	9.0	9VCT @ 1A		Blue	Black*	Blue	Wire	2	1.82	2.43	1.67	0.7	6.95	6.25	4.95
221400	P-8657	F218X	Black	—	Black	24.0	12VAC @ 2A		White	—	White	Wire	3	1.89	2.75	1.99	1.3	9.15	7.78	5.84
221356	P-8658	F219X	Black	—	Black	48.0	12VAC @ 4A		White	—	White	Wire	3	2.25	4.00	2.63	2.3	15.55	14.34	11.94
29226	XFR122	F44X	Yellow	—	Yellow	25.2	12.6VCT @ 2A		Blue	Red*	Black	Wire	1	2.41	2.79	1.99	1.5	13.29	11.30	8.48
102155	XFR1220	F344X	Black	Yellow*	Red	25.2	12.6VCT @ 2A		White	Black*	White	Wire	2	2.35	2.32	1.97	1.5	13.15	11.28	8.46
149771	XFR1240	F3181U	Black	Red*	Yellow	50.4	12.6VCT @ 4A		White	Black*	White	Wire	2	2.45	3.20	2.25	2.2	16.09	14.52	13.03
102121	XFR124	F181U	Black	—	Black	50.4	12.6VCT @ 4A		White	Black*	White	Wire	1	2.45	3.21	2.26	2.7	17.55	15.84	14.22
105532	XFR1810	—	Blue	Red*	Black	18.0	18VCT @ 1A		Yellow	Black*	Yellow	Wire	2	2.20	2.81	1.99	1.2	9.19	8.28	6.21
149957	XFR1820	—	Black	Red*	Yellow	36.0	18VCT @ 2A		White	Black*	White	Wire	2	2.25	3.15	2.71	1.8	9.59	8.49	7.45
221382	P8396	—	Black	—	Black	9.6	24VCT @ 0.4A		White	Black*	White	Wire	1	1.63	2.80	1.97	0.6	8.25	7.01	5.26
102112	XFR2410	F346X	Black	Yellow*	Red	24.0	24VCT @ 1A		White	Black*	White	Wire	2	2.41	2.80	1.99	1.5	10.75	9.14	6.86
221373	P-8662	F192X	Black	—	Black	48.0	24VCT @ 2A		White	Black*	White	Wire	1	2.44	3.60	2.23	2.3	12.45	10.58	7.94
112513	XFR242N	F229X	Black	—	Black	48.0	24VAC @ 2A		White	—	White	Wire	3	2.33	3.16	2.28	1.8	13.95	12.60	11.32
221365	P-8663	F193U	—	—	—	96.0	24VCT @ 4A		—	—	—	Lug	1	2.81	2.94	4.00	4.0	20.95	19.72	16.52
221410	P-8666	F226U	—	—	—	288.0	24VCT @ 12A		—	—	—	Lug	1	4.63	3.75	4.63	11.2	59.55	53.95	44.95
221411	P-8666	F226U	—	—	—	288.0	24VCT @ 12A		—	—	—	Lug	1	4.63	3.75	4.63	11.2	42.29	38.68	36.80
99654	XFR242	—	Red	—	Red	49.2	24.6VCT @ 2A		Blue	Yellow*	Blue	Wire	1	2.44	3.22	2.30	2.5	14.55	12.37	9.28
102104	XFR2520	F341X	Black	White*	Red	50.4	25.2VCT @ 2A		Orange	Black*	Orange	Wire	2	2.45	3.22	2.26	2.8	17.59	15.82	11.86
149797	XFR2820	F3185U	Black	Red*	Yellow	56.0	28VCT @ 2A		White	Black*	White	Wire	2	2.45	3.22	2.26	2.3	12.95	11.69	8.59

† Solder terminals

* Center tap

Triad cross is for reference only

Split-Bobbin Power Transformers

Non-concentrically wound with primaries and secondaries side-by-side providing low capacitive coupling.

- Primary: 115/230VAC, 50-60Hz
- PC terminal pin spacing for accurate placement



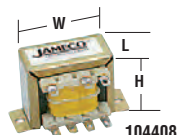
148559

Part No.	Cross Ref. No.	Triad Cross*	Input Voltage	VA	Individual Output	Parallel Output	Series Output	Dimensions			Wt. (lbs.)	Pricing			QUANTITY SAVE
								L"	W"	H"		1	10	100	
221292	DSW-312	FS12200	115/230	2.5	6.3V @ .20A	6.3V @ .40A	12.6VCT @ .20A	1.38	1.13	1.19	0.3	\$6.95	\$6.55	\$6.19	
102534	XFR1205SB	FS12500	115/230	6.3	6.3V @ .50A	6.3V @ 1.0A	12.6VCT @ .50A	1.32	1.64	1.38	0.4	9.55	8.60	6.45	
102593	XFR2405SB	FS24500	115/230	12.0	12V @ .50A	12V @ 1.0A	24VCT @ .50A	1.58	1.90	1.46	0.7	7.95	6.75	5.29	
148559	XFR3603SB	FS36350	115/230	12.6	18V @ .35A	18V @ .70A	36VCT @ .35A	1.59	1.91	1.46	0.7	8.15	6.23	4.67	

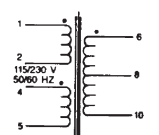
* Triad cross is for reference only

Quick-Connect Power Transformers

- Quick-connect transformers are bobbin wound for smaller size and reduced electrostatic shielding requirements
- Input voltage: 115/230VAC, 50-60Hz
- Terminals: quick-connect, solder



104408



Part No.	Cross Ref. No.	Triad Cross*	Input Voltage	Output Voltage	VA	Size of Connect	Dimensions			Wt. (lbs.)	Pricing			QUANTITY SAVE
							L"	W"	H"		1	10	100	
104408	XFR16350	FD716†	115/230VAC	16VCT @ 3.5A	56.0	0.141"	2.25	2.68	2.33	1.8	\$15.55	\$11.99	\$10.79	
101864	XFR2424Q	FD724	115/230VAC	24VCT @ 2.4A	57.6	0.141"	2.10	2.70	2.29	1.7	12.95	10.95	8.95	
104417	XFR3615Q	FD736	115/230VAC	36VCT @ 1.5A	54.0	0.141"	2.30	2.70	2.30	1.8	11.69	10.53	7.93	

† Terminal solder lug are on same side

* Triad cross is for reference only

International Step-Up & Step-Down Transformers

- Wide selection to meet your power requirements

Part Number	Cross Ref. Number*	Fig.	Type	Primary Voltage	Secondary Voltage	Power (VA)	Dimensions			Wt. (lbs.)	Pricing		
							H"	W"	D"		1	10	100
99477	AC220V50	1/A	Auto	110VAC	220VAC	50	2.50	1.63	1.33	0.7	\$8.95	\$7.61	\$5.71
85008	AC220V300	2/A	Auto	110VAC	220VAC	300	3.50	3.05	3.95	4.8	33.55	29.88	26.88
221217	P8689	2/A	Auto	110VAC	220VAC	1000	4.63	3.75	6.13	17.0	91.75	87.45	81.92
99573	AC110V50	1/B	Auto	220VAC	110VAC	50	2.50	1.63	1.33	0.7	10.65	8.78	8.27
85016	AC110V300	2/B	Auto	220VAC	110VAC	300	3.50	3.05	3.95	4.8	33.69	30.30	27.27
111851	AC110V500	2/B	Auto	220VAC	110VAC	500	3.99	3.60	4.84	8.5	55.95	50.35	48.49
142906	AC110V1500	2/B	Auto	220VAC	110VAC	1500	5.25	4.50	5.75	15.2	104.99	94.49	83.99

* Manufacturer may vary



Fig. 1



Fig. 2



Fig. A Plug



Fig. B Plug



Output Receptacle

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 175.

Variable, Power Transformers & Power Cords

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	GENERIC & NON-FRANCHISED	JAMECO HOUSE BRANDS	FACTORY OVERTURN

Additional Transformers are available online at www.Jameco.com/Power

110/220VAC Variable Transformers

- Input: 110VAC or 220VAC
- Power: 500, 1000 or 2000VA
- Output: 0-240VAC
- Banana/screw input terminals
- Universal US/European output plugs
- Lighted on/off power switch



121276

Part No.	Fuse	Size (L" x W" x H")	Wt. (lbs.)
121276	3A/250V (P/N 69439)	5.3 x 7.3 x 7.0	10.4
129008	5A/250V (P/N 10401)	9.4 x 6.5 x 7.7	14.8
152582	10A/250V (P/N 69462)	9.0 x 7.0 x 7.7	19.8

Part No.	Description	1	10	50
121276	500VA trans.	\$95.95	\$81.54	\$68.97
129008	1000VA trans.	189.69	161.24	120.93
152582	2000VA trans.	209.89	178.42	134.08

320VA Variable AC Transformer

- Input voltage: 110VAC @ 50-60Hz
- Matching input/output terminals: P/N 103668 and 109112 (disconnect .25" solderless terminals), pg 87
- Maximum current: 2.5A
- Shaft length: 0.5"
- Size: 2.8"Dia. x 2.1"H
- Weight: 2.5 lbs.
- Panel mount
- One-year warranty



Includes: 3 disconnect .25" solderless terminals

Part No.	Description	1	10	50
149324	320VA variable	\$54.99	\$49.99	\$44.99

Have you found a product at a lower print-advertised price?
We'll beat that price by 10%
right down to our cost!

550VA Variable AC Transformer

- Input volt.: 110VAC @ 60Hz
- Output volt.: 0-140VAC
- Rated current: 5A
- Input/output terminals: binding post with 0.188" diameter post
- Size: 4.3"Dia. x 4.0"H
- Weight: 6.8 lbs.
- Panel mount
- One-year warranty



Part No.	Description	1	10	50
152937	550VA variable	\$71.99	\$64.79	\$60.91

120VAC to 120VAC Isolation Transformer

300VA

- Input connector: 5.5' cord with 2-prong plug
- Output voltage: 120VAC @ 60Hz
- Output power: 120VAC @ 2.5A (isolated)
- Size: 4.2"H x 3.2"W x 4.6"D
- Weight: 7.0 lbs.

QUANTITY
SAVE



Part No.	Cross Ref. No.	1	10	100
181315	ITR300	\$52.89	\$44.96	\$33.72

EMI Suppression Cores with Case

Reduce Electromagnetic Interference (EMI) with a snap of these suppression cores around a power cord or data cord. Easy to install and an affordable way to reduce EMI without redesigning your product.



Closed

Open

Round

Part No.	Size (OutDia. x InDia. x L)	1	10	100
218174	.64" x .20" x 1.15"	\$.99	\$.84	\$.63
217841	.78" x .34" x 1.40"	1.45	1.29	1.15

Square

Part No.	Size (L" x W" x H")	1	10	100
421681	1.30 x .70 x .77 (black)	\$1.95	\$1.59	\$1.19

QUANTITY
SAVE

QUANTITY
SAVE



International Power Cords

- 3-conductor detachable power cords
- Excellent resistance to jacket abrasion
- BSI: British Standard Institution
- Voltage rating: 300V

- Cord type: H05VVF
- Cord color: black



Part No.	Cross Ref. No.	Country	Agency Approvals	Cord Length	Conductors	Pricing			
117911	PCVDE-6B	Europe	All in Fig. 1	6 ft.	3/0.75mm ²	\$6.49	\$5.79	\$5.52	\$4.65
174633	21071H5182	UK/Ireland	BSI	8 ft.	3/1.0mm ²	7.79	7.01	6.32	5.59



117911/174633
(End 1)



117911 (End 2)



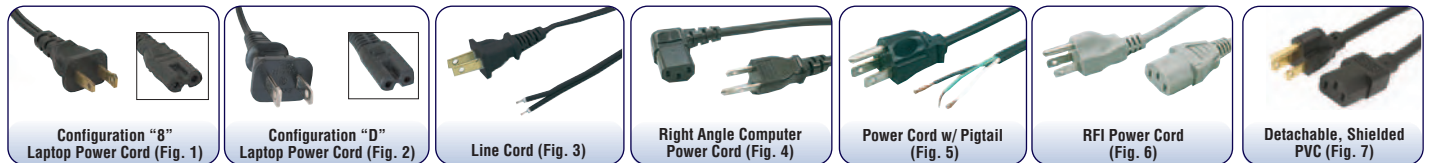
174633 (End 2)

European Agency Approvals

Country	Agency	Approval	Country	Agency	Approval
Germany	VDE		France	LCIE	
Austria	OVE		Netherlands	KEMA	
Belgium	CEBEC		Norway	NEMKO	
Denmark	DEMKO		Sweden	SEMKO	
Finland	FIMKO		Switzerland	SEV	

Fig. 1

General Purpose Power Cords



AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

- Molded connectors
- Voltage rating: 300 volts
- Excellent resistance to jacket abrasion
- Temperature: -20°C to +60°C



Part No.	Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing			
								1	10	50	100

2-conductor "8" style power cord for laptops and power supplies

189587	VW-1	.30	1	6'	Black	18/2	SPT-2	\$2.95	\$2.65	\$2.39	\$2.19
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2-conductor "D" style power cord for laptops and power supplies

200791	LL114039	.30	2	6'	Black	18/2	SPT-2	\$2.49	\$1.95	\$1.49	\$1.25
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3-conductor power supply cord (shielded)

1918711	LL43774	.40	4	6'	Black	18/3	SVT	\$3.59	\$3.25	\$2.95	\$2.49
1537459	LL6415	.40	6	9'10"	Beige	18/3	SJT	3.95	2.95	2.49	1.95

3-conductor power cord with pigtail

279662	32V86S	.32	5	6'	Black	18/3	SVT	\$3.59	\$3.25	\$2.95	\$2.75
1585514	CPB-FL-08	.56	5	8'	Black	18/3	SJT	3.95	3.49	2.95	2.65

Part No.	Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing			
								1	10	50	100

3-conductor power supply cord

38041	17249	.37	6	6'	Beige	18/3	SVT	\$3.95	\$3.39	\$2.95	\$2.69
38050	17250	.36	6	6'	Black	18/3	SVT	3.95	3.49	2.95	2.69
171096	17758	.60	6	8'	Black	18/3	SJT	4.95	4.49	3.95	3.59
1585637	171096	.60	6	8'	Black	18/3	SVT	3.25	2.95	2.75	2.49
1928441	—	—	6	25'	Black	18/3	SVT	7.95	7.49	6.95	5.95
1537230	LL34877	.72	6	8'	Black	16/3	SJT	4.95	3.95	3.49	3.19
1943078	E204241C	—	6	6' 7"	Black	14/3	SJT	4.95	3.95	3.49	2.95

3-conductor computer power supply extension cord

319804	LR94903	.82	3	10'	Gray	18/3	SVT	\$3.95	\$3.49	\$2.95	\$1.95
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3-conductor power cord w/ hospital grade male (green dot)

1537563	17510A	.82	5	10'	Gray	14/3	SJT	\$9.95	\$8.95	\$7.95	\$6.95
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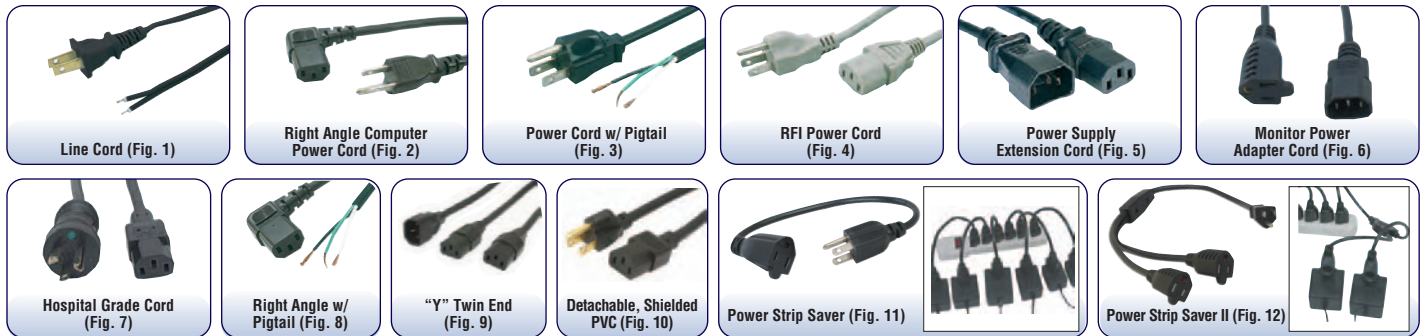
3-conductor detachable power cord, shielded, PVC

161761	17742	—	7	6'	Black	18/3	SVT	\$4.75	\$4.28	\$3.42	\$2.57
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* Thermoplastic Cord Jacket Type: SPT-2 (Flat): Junior duty; SVT (Round): Light service; SJT (Round): Junior service

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Power Cords are available online at www.Jameco.com/Power



Jameco ValuePro® Power Cords

AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875



- Molded connectors
- Voltage rating: 300 volts
- Excellent resistance to jacket abrasion
- Temperature: -20°C to +60°C

JAMECO
EXCLUSIVE

QUANTITY
SAVE

Plug Detail – Industry Standard Designations



Part No.	Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing			
								1	10	50	100

2-conductor power cord with pigtail

124434	ST008	.16	1	6'	Black	18/2	SPT-2	\$1.43	\$1.35	\$1.28	\$1.22
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3-conductor right-angle power supply cord

117356	8120-6177	.41	2	6'	Gray	18/3	SVT	\$4.69	\$3.92	\$3.16	\$2.37
38077	17250R	.54	2	6'	Black	18/3	SVT	3.49	3.15	2.85	2.55

3-conductor power cord with pigtail

38009	17237	.31	3	6'	Gray	18/3	SVT	\$3.65	\$3.14	\$2.85	\$2.71
37997	17236	.30	3	6'	Black	18/3	SVT	3.35	2.79	2.54	2.39
159410	17405B	.37	3	6'	Black	18/3	SJT	3.09	2.58	2.34	2.15
102007	17535B	.49	3	10'	Black	18/3	SVT	4.15	3.85	3.33	3.17
196286	LL40378	.80	3	10'	Black	16/3	SJT	5.89	5.39	4.31	3.79
100272	17629B	.88	3	9'	Black	14/3	SJT	5.89	5.30	4.91	4.66

† European standard insulation color code

3-conductor power supply cord (shielded)

213874	17660BG	.40	4	6'	Beige	18/3	SVT	\$3.79	\$3.41	\$3.10	\$2.78
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3-conductor power supply cord

103747	17248	.34	4	6'	Gray	18/3	SVT	\$4.65	\$4.17	\$3.54	\$2.66
132118	17500	.44	4	6'	Black	18/3	SJT	4.49	4.04	3.65	3.29
117584	17502	.37	4	8'	Gray	18/3	SVT	7.05	6.34	5.07	3.80
102024	17501V	.55	4	10'	Black	18/3	SVT	4.75	4.07	3.71	3.35
163361	6952299	.33	4	14'	Black	18/3	SJT	5.39	4.85	3.88	2.91

3-conductor computer power supply extension cord

28468	PEC	.36	5	6'	Black	18/3	SVT	\$3.89	\$3.50	\$3.15	\$2.85
420224	10W1-02212	.53	5	12'	Black	18/3	SVT	4.95	4.49	3.95	2.95

3-conductor computer monitor power adapter cord

177448	MPC1	.16	6	1'	Black	18/3	SVT	\$3.69	\$3.05	\$2.44	\$1.83
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3-conductor power cord w/ hospital grade male (green dot)

132011	17006G	.82	7	10'	Gray	16/3	SJT	\$9.95	\$8.96	\$7.17	\$5.38
115078	17006	.84	7	10'	Black	16/3	SJT	9.95	8.98	8.05	7.27

3-conductor power cord (power strip saver)

199778	PSS-1	.16	11	1'	Black	18/3	SVT	\$2.05	\$1.85	\$1.67	\$1.25
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3-conductor power cord ("Y" type power strip saver)

208347	GPR-2006	.38	12	2'	Black	18/3	SVT	\$5.95	\$5.75	\$5.49	\$5.19
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* Thermoplastic Cord Jacket Type: SPT-2 (Flat): Junior duty; SVT (Round): Light service; SJT (Round): Junior service

Part No.	Volex X-Ref.	Fig.	Plug Detail	Length	AWG (Stranding)	Cord Type*	Pricing			
							1	10	50	100

3-conductor right angle detachable power cord, shielded, PVC, black

173252	17745	2	—	6'	18/3	SVT	\$4.75	\$4.27	\$3.42	\$2.57
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3-conductor right angle detachable power cord, unshielded, PVC, black

177384	17507	2	—	10'	18/3	SJT	\$4.75	\$4.31	\$3.83	\$3.23
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3-conductor power cord w/ pigtail, NEMA 5-15P plug, PVC, black

38025	17238	3	—	8'	18/3	SVT	\$2.59	\$2.18	\$2.03	\$1.52
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3-conductor power cord w/ pigtail, NEMA 5-15P plug, shielded, black

166925	17516	3	—	6'7"	14/3	SJT	\$7.19	\$6.52	\$5.24	\$4.42
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3-conductor power cord w/ pigtail, NEMA, PVC, unshielded, gray

173810	17405	3	—	6'	18/3	SJT	\$2.35	\$2.15	\$1.89	\$1.59
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3-conductor right angle power cord w/ pigtail, unshielded, black

340056	17537	8	910	9'10"	18/3(41x34)	SJT	\$3.19	\$2.71	\$2.30	\$1.96
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3-conductor power cord, "Y" twin end, black

340566	17268A	9	150/250A	4'	18/3(41x34)	SJT	\$7.85	\$5.84	\$5.56	\$4.17
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3-conductor detachable power cord, shielded, PVC, black

159361	17602	10	—	6'	16/3	SJT	\$3.79	\$3.41	\$2.73	\$2.05
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3-conductor detachable power cord, unshielded, PVC, black

340291	17001A	10	290B/386E	3.0'	16/3(26x30)	SJT	\$3.89	\$3.50	\$2.80	\$2.10
125541	17504	10	—	6'7"	14/3	SJT	6.19	5.59	5.04	4.49

* Thermoplastic Cord Jacket Type: SPT-2 (Flat): Junior duty; SVT (Round): Light service; SJT (Round): Junior service

Jameco ValuePro® Products: A Great Way to Save!

Jameco's ValuePro line of passive, electromechanical and interconnect products are high-quality electronic components and guaranteed to be at the lowest prices you'll find. In fact, if you find a lower print-advertised price, we'll beat it by another 10%, right down to our cost. No more high-priced brand markup... no more costly layers of distribution... no more restrictive franchise agreements that hold minimum prices high. Instead, Jameco cuts out the costly markups and layers of distribution and sells its products direct to you, so you can put the savings back in your wallet!



Practical Practices
Money Saving Tips for the Engineer

Power Filters, Batteries, Battery Charger & Packs

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
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Additional Power Cords are available online at www.Jameco.com/Power

Power Entry Filters & AC Receptacles

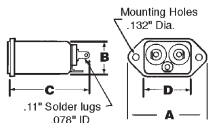


Fig. 1 (Solder Terminals)

• Frequency: 50/60Hz

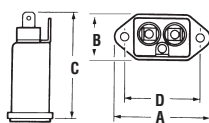


Fig. 2 (Fast-on Terminals)



Fig. 3



Fig. 4



Fig. 5



Fig. 6

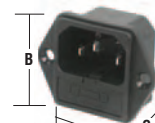


Fig. 7

Part No.	Manufacturer	Cross Ref. No.	Description	Fig.	Current (A)	Voltage (VAC)	Terminals	Agency Approvals	Terminal Size	Dimension (inches)				Pricing		
										A	B	C	D	1	10	100
150615	ValuePro	03AC1	Power entry filter, straight (flanged)	1	3	250	Solder	UL/CSA/VDE	0.16"	1.89	0.88	2.58	1.58	\$7.55	\$6.80	\$5.44
667438	ValuePro	YB03A1-A	Power entry filter, straight (flanged)	2	3	250	Fast-on	UL/CSA/VDE	0.26"	2.05	0.98	2.15	1.58	4.95	4.29	4.19
16652	ValuePro	JR101	AC power inlet (male) flanged solder	3	10	250	Fast-on	UL/CSA/VDE	0.187"	1.96	0.89	1.07	1.58	1.17	1.05	.94
165016	Various	SUP-J15G-E-2	Power entry filter, straight (flanged)	1	15	250	Solder	UL/CSA/VDE	0.16"	1.89	0.88	2.18	1.58	4.95	4.49	3.95
210913	Delta	01GEEW3E	Power entry filter, straight (flanged)	4	1	250	Wire	UL/CSA/VDE	4.1"	2.05	0.99	1.78	1.58	3.95	3.25	2.49
147109	Various	42R02	AC power inlet (male) snap-in	5	15	250	Fast-on	UL/CSA	0.25"	1.22	0.94	1.13	N/A	.95	.79	.69
184903	PDI	42R363152IOU	AC power inlet (male) w/ switch (snap-in)	6	10	250	Fast-on	UL/CSA/VDE	0.25"	1.30	1.58	1.42	N/A	1.95	1.65	1.39
265527	Various	WS-044	AC power inlet (male) w/ fuse chamber (snap-in)	7	10	250	Fast-on	UL	0.185"	1.73	1.29	0.77	1.42	1.95	1.65	1.39

† Includes spare fuse holder - fuse type 5mm x 20mm (250V)

Eveready® Energizer® Alkaline Batteries



Energizer® and the Energizer Bunny® are registered trademarks of the Eveready Battery Company, Inc.

- Single-use Energizer® alkaline batteries for heavy drain and frequent use applications

Part No.	Size	1	10
198731	9-volt	\$1.89	\$1.81

- Priced per battery. Sold in multiples of 4.

Part No.	Size	4	40	100
198707	AA	\$.66	\$.59	\$.53
198715	AAA	\$.49	\$.46	\$.45

Long-Lasting Rechargeable NiMH Batteries

Why buy & throw away hundreds of batteries? Now you can reuse longer-lasting, money saving NiMH rechargeable batteries instead! They feature twice the power of NiCd batteries, so they're ideal for power-hungry devices like digital cameras and camcorders.

- Batteries sold individually



Part No.	Description	1	8	24
231095	AAA, 600mAh	\$4.39	\$4.04	\$3.69
231087	AA, 1600mAh	3.99	3.72	3.54
231124	D, 9000mAh	16.59	15.81	15.06
231108	"9V", 150mAh	10.15	9.64	9.18

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

Silver Oxide, Zinc Chloride & Alkaline Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.

Silver Oxide

Part Number	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
140783	357	1	Button	1.55	1600	0.454" Dia.	\$1.75	\$1.49	\$1.25

Zinc Chloride

Part No.	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
151095	GF6F22	2	9V	9	300	1.7"L x 1.0"W x 0.67"Dia.	\$1.25	\$.99	\$.79

Alkaline

Part Number	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
150965	Rayovac 840	3	—	4.5	600	1.14"L x 0.73"W x 0.96"H	\$9.95	\$8.99	\$8.06
198791	MN1604	2	9V	9	500	1.7"L x 1.0"W x 0.67"H	2.85	2.55	2.29

Automatic Battery Charger

- Safely charge and maintain lead acid batteries without supervision
- High frequency MOSFET switching design
- Multi-stage charging circuit prevents batteries from overcharging
- Extends battery life
- Analog amp meter
- Safe for gel cell batteries
- Input voltage: 98 to 132VAC @ 50/60Hz
- Output banks: 3
- Short-circuit, overload, and reverse polarity protection

Part No.	Product No.	Output Volt. DC @ Current	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
673416	SEC-1215A	13.5V @ 15A	8.5 x 8.4 x 3.3	4.8	\$146.05	\$138.72	\$131.78



Rechargeable Battery Packs

- AA single cell: 1.92"L x 0.56"Dia. (48.8mm x 14.2mm)
- SC single cell: 1.65"L x 0.86"Dia. (41.9mm x 21.8mm)
- D single cell: 2.36"L x 1.26"Dia. (59.9mm x 32.0mm)

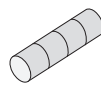


Fig. 3

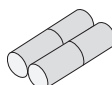


Fig. 4

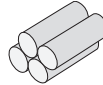


Fig. 5

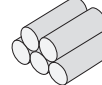


Fig. 6

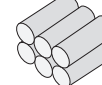


Fig. 7

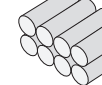


Fig. 8

Part No.	Fig.	Volt	Size	Type	mAh	Connection	1	10	25
299241	1	3.6	AA	NiMH	1800	Lead wire	\$12.75	\$11.65	\$10.33
299250	2	4.8	AA	NiMH	1800	Lead wire	16.69	15.92	15.18
298652	2	4.8	SC	NiCd	2200	Solder tab	13.89	12.96	12.31
298687	3	4.8	SC	NiCd	2200	Solder tab	13.85	12.45	11.38
298724	4	4.8	SC	NiCd	2200	Solder tab	15.29	13.74	12.37
298919	5	4.8	D	NiCd	5000	Solder tab	31.85	28.66	25.79
299680	6	6.0	D	NiCd	5000	Lead wire	50.69	43.20	38.88
299153	7	7.2	AA	NiCd	1000	Lead wire	16.89	15.08	13.51
299305	7	7.2	AA	NiMH	1800	Lead wire	22.09	20.21	19.20
299461	8	9.6	SC	NiCd	2200	Lead wire	32.79	29.61	26.74

JAMECO EXCLUSIVE

NEW MARKED BY PRICE

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Battery Holders are available online at www.Jameco.com/Batteries

JAMECO ReliaPro

Battery Holders

Eliminate battery mounting problems in portable DC power applications and products. These holders are made from special materials that maintain retention properties longer than conventional holders. They can come with leads, or attached to battery holders.

JAMECO EXCLUSIVE

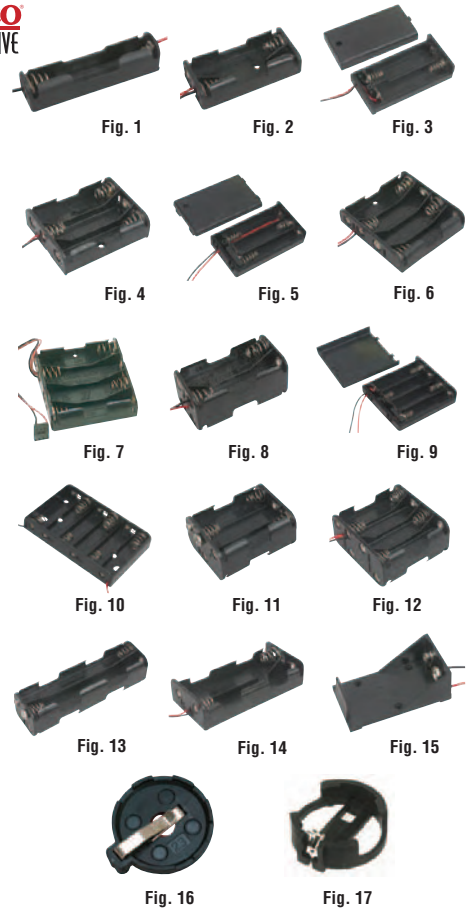
QUANTITY SAVE

Part No.	Cross Ref. No.	Fig.	No. of Cells	Connector	Sides	Features	1	10	100	500
216071	BH-311-2A	1	1-AA	Wires	Single		\$.73	\$.62	\$.59	\$.55
216081	BH-321-2A	2	2-AA	Wires	Single		.74	.66	.53	.39
216099	BH-321-4A	2	2-AA	Wires	Single	w/ mounting tabs	.87	.77	.56	.425
216102	SBH-321-2A	3	2-AA	Wires	Single	w/ cover, no switch	.69	.61	.37	.35
216119	SBH-321-1AS	3	2-AA	Wires	Single	w/ cover & switch	.79	.71	.64	.54
216136	BH-331-A	4	3-AA	Wires	Single		.82	.63	.48	.36
216144	SBH-331-AS	5	3-AA	Wires	Single	w/ cover & switch	.76	.69	.65	.59
216152	BH-341-2A	6	4-AA	Wires	Single		1.15	1.00	.95	.89
105858	\$	7	4-AA	Wires	Single	Wires w/ connector	.81	.71	.65	.56
216179	BH-343-1A	8	4-AA	Wires	Dual		.75	.61	.518	.386
216187	SBH-341-1AS	9	4-AA	Wires	Single	w/ cover & switch	.89	.81	.75	.56
216223	BH-364-A	10	6-AA	Wires	Single		.85	.71	.65	.55
216232	BH-363-B	11	6-AA	Snaps	Dual		.93	.79	.76	.57
216240	BH-383-A	12	8-AA	Wires	Dual		1.15	1.04	.83	.63
216259	BH-382-B	13	8-AA	Snaps	Dual		1.35	1.20	.96	.72
216267	BH-383-B	12	8-AA	Snaps	Dual		1.15	.94	.88	.66
216283	BH-421-1A	2	2-AAA	Wires	Single		.57	.49	.43	.32
216303	BH-431-1A	4	3-AAA	Wires	Single		.83	.75	.68	.59
216339	SBH-441-AS	9	4-AAA	Wires	Single	w/ cover & switch	1.55	1.40	1.12	.84
216362	BH-242-1A	14	4-C	Wires	Single		1.39	1.25	1.00	.83
216371	BH-111-1A	1	1-D	Wires	Single		.69	.62	.496	.375
216390	BH-121-1A	2	2-D	Wires	Single		1.19	1.06	.95	.79
216401	BH-142-A	14	4-D	Wires	Single		1.10	.99	.79	.59
216419	BH-143-1A	6	4-D	Wires	Single		1.29	1.09	.95	.85
216427	BH-9V-A	15	1-9V	Wires	Single		.71	.65	.63	.473
38543	2S2325	16	1-CR2354 or 2- CR2325	PC mount	Coin cell		.89	.75	.54	.46
355434	17002-00603	17	1-CR2032	PC mount	Coin cell		.72	.65	.546	.49

Great Prices on Factory Overruns from Other Manufacturers

236996	103	16	1-CR2032	PC mount	Coin cell	\$1.29	\$1.09	\$.89	\$.75
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\$ Battery holder used in many personal computers



"9-Volt" Battery Snaps and Clips

- Use with standard "9 volt" batteries
- Fully insulated; contacts are nickel-plated brass
- Leads are color-coded, stripped and pre-tinned
- Snap: male outer dia. = 0.225"
- Female inner dia. = 0.215"



Part No.	Fig.	Description	Dimensions (in.)			Pricing			
			L	W	H	1	10	100	1000
11280	1	3", 26 AWG, 6 prong battery snap	1.0	.50	—	\$.30	\$.27	\$.216	\$.162
105794	2	Battery holder clip	.63	.71	1.2	.31	.26	.18	.16
109154	3	6", 26 AWG, 6 prong battery snap	1.0	.50	—	.23	.19	.173	.138
101470	3	10", 26 AWG, 6 prong battery snap	1.0	.50	—	.30	.23	.17	.14
216452	4	6", 26 AWG, 6 prong battery snap	1.0	.50	—	.34	.30	.20	.18

Lead Acid Batteries

- Sealed
- UL approved
- Rechargeable
- Two-year warranty



Part Number	Product Number	Nominal Voltage	Amp-Hrs.	Cross Reference				Terminal Size	Size (L" x W" x H")	Wt. (lbs.)	Pricing	
				Panasonic	YUASA	Eagle Picher	Tempest				1	10
264014	TY-6-4.5	6	4.5	LCR6VP	NP4-6	CF16V4	TR-4-6	Quick connect 0.187"	2.8 x 1.9 x 4.0	1.9	\$10.95	\$7.84
317024	LA-TY-6-12	6	12.0	—	—	—	—	Quick connect 0.187"	5.9 x 1.9 x 3.7	4.6	16.49	15.28
318844	LA-TY-12-1.2	12	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.7 x 2.1	1.3	15.19	14.47
264031	TY-12-2.3	12	2.3	LCR12V2.2P	NP2.3-12	CF12V1.5	TR2.3-12	Quick connect 0.187"	7.0 x 1.3 x 2.4	2.1	18.35	16.37
318924	LA-TY-12-3.2	12	3.2	—	—	—	—	Quick connect 0.187"	5.3 x 2.7 x 2.4	3.1	18.45	17.57
264057	TY-12-7	12	7.0	LCR12V7.2BP	NP712	CFM12V65	TR7.5-12	Quick connect 0.187"	5.9 x 2.6 x 3.7	5.6	18.95	16.95
264065	TY-12-12	12	12.0	PS12120	—	CFM12V12	TR12-12	Quick connect 0.187"	5.9 x 3.9 x 3.9	9.0	37.05	34.57
264073	TY-12-18	12	18.0	LCR12V17BP	NPG18-12	CF12V18	TR18-12	Quick connect 0.472"	7.1 x 3.0 x 6.6	13.3	45.95	42.95
318852	LA-TY-12-35	12	35.0	—	—	—	—	Nut & bolt	7.6 x 5.1 x 6.3	27.6	74.39	65.48

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	GENERIC & NON-FRANCHISED	JAMECO HOUSE BRANDS	FACTORY OVERRUN

For more Batteries visit www.Jameco.com/Batteries

Additional Batteries are available online at www.Jameco.com/Batteries

Lithium, Lithium Ion, NiCd and NiMH Batteries

Save 10% or more on most batteries!

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9

Lithium & Lithium Ion

Part No.	Cross Ref. No.	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
618011	CR1/3N	1	—	3	160	Photocell	0.43"H x 0.46"Dia.	\$2.49	\$1.95	\$1.25
240258	CR123A	2	—	3	1300	Photo/computer	1.36"L x 0.65"Dia.	2.85	2.68	2.55
33371	TL5101P	3	1/2AA	3.6	850	Barrel w/ leads (clock/mem.)	0.93"L x 0.56"Dia.	5.79	5.27	4.45
33398	TL5104P	4	AA	3.6	1900	Barrel w/ leads (clock/mem.)	1.88"L x 0.56"Dia.	6.25	5.89	5.53
146114	TL2100S	5	AA	3.6	1900	Barrel pressure (clock/mem.)	1.91"L x 0.56"Dia.	6.95	6.29	5.65
11789	CR2325	6	Coin cell	3	165	Clock/memory/watch	0.91"Dia. x 0.13"Thick	1.65	1.47	1.25
14162	CR2032	—	Coin cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Thick	1.25	1.12	.94
1585451	DL2032	6	Coin cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Thick	1.25	.99	.75
689071	DL2450	6	Coin cell	3	600	Clock/memory/watch	0.95"Dia. x 0.18"Thick	2.79	2.29	1.95
673635	CA1/2AA	—	1/2 AA	3	950	Barrel w/ leads	1.0"L x 0.58"Dia.	3.49	2.95	2.49
126754	TL5101S	7	Sub-AA	3.6	850	Macintosh®	0.95"L x 0.56"Dia.	4.75	4.45	4.17
240266	ER14250	8	Sub-AA	3.6	1000	Consumer tip	1.00"L x 0.55"Dia.	3.99	3.89	3.81
263898	ER14250	9	Sub-AA	3.6	1000	With axial leads	1.00"L x 0.55"Dia.	4.65	4.37	3.94
240303	ER14505	10	AA	3.6	2400	Consumer tip	2.00"L x 0.55"Dia.	5.45	5.04	4.90
240160	ER26500	11	C	3.6	8500	Consumer tip	2.00"L x 1.02"Dia.	11.95	11.50	11.05
240151	ER34615	12	D	3.6	16,500	Consumer tip	2.40"L x 1.34"Dia.	15.05	14.49	13.95

NiCd – Rechargeable

Part No.	Cross Ref. No.	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
261657	AA-700-CT	13	AA	1.2	700	Consumer tip	1.90"L x 0.55"Dia.	\$1.59	\$1.45	\$1.19
244515	AA-1000-CT	13	AA	1.2	1000	Consumer tip	1.90"L x 0.55"Dia.	2.65	2.43	2.33
126720	351FT	14	—	3.6	60	2-lead (pin), barrel	0.72"L x 0.61"Dia.	4.49	4.05	3.65
119116	3/V60R	14	—	3.6	60	3-lead (pin), barrel	0.72"L x 0.61"Dia.	3.35	3.29	3.22
101653	NA101-1	15	—	3.6	60	2-lead (eyelet), barrel	0.72"L x 0.61"Dia.	5.49	4.95	3.95

NiMH – Rechargeable

Part No.	Cross Ref. No.	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
244822	AA-1800-CT	16	AA	1.2	1800	Consumer tip	1.90"L x 0.55"Dia.	\$2.95	\$2.65	\$2.51
244620	9V-200	17	9V	9	200	Snaps	1.94"L x 0.65"Dia.	9.35	8.31	7.47

Panel Meters & Solar Panel

0.6" High 3½ & 4½-Digit LCD Digital Panel Meters



108388

175951

146835

123140

- Input ranges: 200mV, 20V, 200V, 500V
- Accuracy: ±0.5%
- Supply voltage: 8-12VDC (recommend 9V battery P/N 151095, pg 136)

- Input impedance: >100MΩ
- Automatic polarity indication
- Size: 2.7"W x 1.7"H

146835: Backlit display

Includes: Bezel

Part No.	Cross Ref. No.	Digits	1	10	25
108388	PM-428	3½	\$14.39	\$13.27	\$12.16
175951	PM-128	3½	12.95	11.95	10.95
146835	PM-188BL	3½	19.99	18.99	17.99
123140	PM-328	4½	30.99	26.34	19.76

QUANTITY SAVE

velleman

Analog Panel Meters

- Includes mounting hardware
- Size: A: 2.4"W x 1.8"H x 1.3"D; B: 2.8"W x 2.4"H x 1.4"D

316507: Includes current shunt

Part No.	Product No.	Range	Size	1	5
316603	AVM6015	0 – 15VDC	A	\$9.99	\$9.49
316671	AVM7015	0 – 15VDC	B	9.99	7.49
316638	AIM6030	0 – 30VDC	A	9.99	9.49
316654	AVM7030	0 – 30VDC	B	9.99	9.49
316718	AVM60150	0 – 150VAC	A	9.99	9.49
316785	AVM60300	0 – 300VAC	A	9.99	9.49
315301	AIM60005	0 – 50µA	A	10.49	9.97
316523	AIM6050	0 – 50mA	A	9.99	9.49
316486	AIM60100	0 – 100mA	A	9.99	9.49
316558	AIM60500	0 – 500mA	A	9.99	9.49
316566	AIM60500	0 – 5A	A	9.99	9.49
316582	AIM705000	0 – 5A	B	9.99	9.49
316494	AIM6010A	0 – 10A	A	10.99	10.49
316507	AIM6030A	0 – 30A	A	12.99	12.49

QUANTITY SAVE



316603

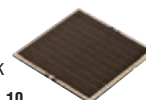


316523

Solar Panel

- Clear coat plastic
- Voltage output: 4.7VDC to 5VDC
- Power output: 0.25W max.
- Size: 2.36"L x 2.36"W x 0.1"thick

Part No.	Description	1	10
1928142	Solar panel	\$7.95	\$6.95

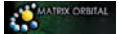


PowerFilm.

For more Solar Panels and Flexible Thin film Solar Modules visit www.Jameco.com

Additional LCD Displays are available online at www.Jameco.com/LCDs

• For Serial and parallel LCD Display detailed specification sheets, please visit www.Jameco.com. • One year warranty



Serial LCD Displays

Scott Edwards Electronics, Inc.

281391



150990



277325



658953



Part No.	Manufacturer	Product No.	Characters x Lines	Serial Input (bps)	Input Voltage	Backlight	Notes*	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing		
										1	10	25
150990	Scott Edwards	ILM-216L	16 x 2	1200 - 9600	4.8V-5.5V @ 5mA	Y	1,2,5	3.2 x 2.0 x 0.5	2.8 x 1.0	\$48.95	\$44.09	\$39.99
133129	Scott Edwards	BPI-216N	16 x 2	2400 or 9600	4.8V-5.5V @ 3mA	N	1,2,11	3.1 x 1.4 x 0.7	2.8 x 1.0	59.95	53.99	48.99
174166	Matrix Orbital	LK162-12	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,3,4,6	3.2 x 1.5 x 0.8	2.5 x 0.7	49.59	48.99	48.49
281332	Matrix Orbital	LK162-12-WB	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,15	3.2 x 1.4 x 1.1	2.5 x 0.7	49.59	48.99	48.49
281341	Matrix Orbital	LK202-25-WB	20 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,10	4.6 x 1.5 x 1.1	3.2 x 0.7	58.99	56.99	53.49
150957	Matrix Orbital	LCD2041	20 x 4	1200 - 19,200	5.0V @ 10mA	Y	1,3,4,6	3.9 x 2.4 x 0.7	3.0 x 1.0	59.95	59.45	59.00
157323	Matrix Orbital	LK204-25	20 x 4 w/ keypad	1200 - 19,200	5.0V @ 16mA	Y	1,3,4,6	3.7 x 2.4 x 1.1	3.0 x 1.0	68.99	66.99	65.59
694170	Matrix Orbital	LK204-25-IY	20 x 4 w/ keypad	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,14	3.9 x 2.4 x 1.2	3.0 x 1.0	68.99	66.99	65.59
694188	Matrix Orbital	LK204-25-WB	20 x 4 w/ keypad	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,15	3.9 x 2.4 x 1.2	3.0 x 1.0	68.99	66.99	65.59
281391	Matrix Orbital	GLK12232-25-SM	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 250mA	Y	1,8	3.4 x 1.4 x 0.5	2.4 x 0.7	72.95	71.95	67.95
694356	Matrix Orbital	GLK12232-25-SM-WB	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 22mA	Y	1,8,16	3.4 x 1.4 x 0.5	2.4 x 0.7	73.49	69.78	67.08
281404	Matrix Orbital	GLK12232-25-WBL	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 20mA	Y	1,8	3.9 x 2.4 x 0.4	3.3 x 1.4	78.39	74.43	70.71
694364	Matrix Orbital	GLK12232-25-WBL-WB	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 18mA	Y	1,8,16	3.9 x 2.4 x 0.4	2.7 x 0.8	77.99	75.99	73.39
174182	Matrix Orbital	GLC24064	240 x 64 w/ graphics	1200 - 19,200	5.0V @ 31mA	Y	1,3,6	7.1 x 2.6 x 0.7	5.2 x 1.5	167.79	152.72	139.72
694372	Matrix Orbital	GLK24064-25-GW	240 x 64 w/ graphics	9600 - 115,000	5.0V @ 35mA	Y	1,9,12	7.1 x 2.6 x 0.7	5.0 x 1.3	168.99	160.99	153.99

* 1. For a power supply, Jameco recommends P/N 164101, pg 130

2. Includes instruction codes for character generation, cursor control, printing, etc. (Examples for Stamps in PBASIC included)

3. Manual included 4. Connect 16 modules using the same two wire interface

5. EEPROM stores text font, settings, and text screen

6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping, and auto scroll feature

7. Connect 127 modules on the same 2-wire interface

8. 122 x 32 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface

9. 240 x 64 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface

10. Built-in font provision for up to 8-user defined characters, software controlled brightness, use up to a 25-key keypad with one 10-key buffer, 6 general purpose outputs, horizontal or vertical bar graphs

11. LCD Serial Backpack® accepts RS232, CMOS or TTL signal

12. Grey text/white background

13. Built-In font provision for up to 8-user define characters, software controlled contrast and brightness, use of up to 12-key with 10-key buffer, horizontal or vertical bar graphs

14. Inverse yellow

15. White text/blue background

16. Color of illumination: white/ice blue

NEW
MARKED IN PINK

Parallel LCD Displays

90-day Jameco Warranty

Part No.	Manufacturer	Product No.	Characters x Lines	Character Font	Input Data	Input Voltage	Backlight	Notes†	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing		
											1	10	25
644025	Epson	EA-D16015AR	16 x 1	5 x 7	8-bit	5.0V @ 1.0mA	N	—	3.2 x 1.4 x 0.3	2.5 x 0.5	\$6.95	\$6.25	\$5.59
171716	Ampire	AC-162A	16 x 2	5 x 8	8-bit	5.5V @ 1.5mA	Y	2,3	3.4 x 1.2 x 0.5	2.5 x 0.7	22.89	22.49	21.39
658881	Hantronix	HDM716216H-4-H0AF	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	3	4.8 x 1.7 x 0.4	3.9 x 0.9	11.95	10.49	8.95
658890	Hantronix	HDM716216H-B-P00P	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	3	3.3 x 1.7 x 0.4	2.4 x 0.6	11.95	9.95	7.95
618003	Hantronix	HDM716216H-5-3005	16 x 2	5 x 7	8-bit	5.0V @ 1.25mA	N	—	3.2 x 1.4 x 0.3	2.5 x 0.5	9.95	8.95	6.95
658988	Hantronix	HDM716216L-7-8C0	16 x 2	5 x 7	8-bit	5.0V @ 2.0mA	Y	3	4.8 x 1.7 x 0.6	3.9 x 0.9	12.95	10.95	8.95
1939571	Hitachi	LM071L	16 x 2	5 x 7	8-bit	5.0V @ 1.0mA	N	—	3.1 x 1.4 x 0.4	2.5 x 0.5	10.95	9.95	7.49
365982	PicVue	PVC160206QYL04	16 x 2	5 x 8	8-bit	5.0V @ 1.6mA	Y	—	3.3 x 1.2 x 0.5	2.4 x 0.63	11.95	10.95	8.95
1585979	Tinsharp	KEST1602A-08	16 x 2	5 x 8	8-bit	5.0V @ 1.3mA	Y	—	3.1 x 1.4 x 0.4	2.5 x 0.4	13.95	12.95	10.95
210761	Optrex	DM16433	16 x 4	5 x 8	4-bit or 8-bit	6.5V @ 2.2mA	N	1,3	3.4 x 2.4 x 0.3	2.4 x 1.0	24.95	22.49	19.95
206615	Samsung	9936	20 x 1	5 x 7	4-bit or 8-bit	5.5V @ 3.0mA	N	5	7.2 x 1.6 x 0.4	6.5 x 1.3	14.95	12.95	10.95
658902	Hantronix	HDM20216H-3+001P	20 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	3	4.6 x 1.5 x 0.4	3.3 x 0.7	14.95	12.95	10.95
171724	Ampire	AC-202A	20 x 2	5 x 8	8-bit	5.0V @ 1.7mA	Y	2,3	4.6 x 1.5 x 0.4	3.3 x 0.7	24.95	22.49	20.25
658911	Hantronix	HDM24216L-2-E30P	24 x 2	5 x 7	8-bit	5.0V @ 1.4mA	Y	3	4.6 x 1.4 x 0.6	2.4 x 0.6	17.95	15.95	12.95
320101	Solomon	LM1200SGR	24 x 2	5 x 7	8-bit	5.0V @ 3.0mA	N	3	4.6 x 1.4 x 0.4	3.7 x 0.7	11.95	10.95	8.95
320039	Solomon	LM1030SGR	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	N	3	7.2 x 1.2 x 0.3	6.0 x 0.6	19.95	17.95	14.95
277325	Ocular	OM4021-WGS-01	40 x 2	5 x 8	8-bit	5.0V @ 2.5mA	Y	3	7.2 x 1.3 x 0.6	6.0 x 0.6	22.95	19.95	16.95
658831	Hantronix	HDM40216H-4-S90P	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	3	7.2 x 1.3 x 0.4	6.1 x 0.6	14.95	12.95	10.95
658929	Hantronix	HDM40216H-4-S9RP	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	3	7.2 x 1.3 x 0.4	6.1 x 0.6	19.95	17.95	15.95
658937	Hantronix	HDM40216L-4-LCWF	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	Y	3	7.2 x 1.3 x 0.6	6.1 x 0.6	24.95	21.95	18.95
652332	Seiko Inst.	DMC4024	40 x 4	5 x 8	8-bit	5.0V @ 12mA	N	—	7.5 x 2.1 x 0.4	5.5 x 0.9	22.95	19.95	16.95
658953	Hantronix	HDM64GS12L-4-N31S	128 x 64	128 x 64	8-bit	5.0V @ 2.0mA	Y	4	3.0 x 2.1 x 0.4	2.4 x 1.3	24.95	22.49	19.95

†1. Control LSI HD44780 & column driver MSMS259 or equivalents; 2. Controller KS0066U or equivalent; 3. Recommend power supply P/N 164101, pg 130; 4. Dot Graphic LCD display; 5. Dot graphic LCD display

VE

0.5" High 4-Digit Field Effect LCD Display

NEW
MARKED IN PINK

+1.8:8.8



- Compatible with socket P/N 78642 (2), pg 82
- Pin spacing 0.1" centers
- 40-pin package (no connector required)
- Size: 2.0"W x 1.2"H x 0.1"D
- Digital multimeters, thermometers, pressure gauges, timers, frequency counters and clocks (12 or 24 hour format)

Part No.	Product No.	1	10
17110	402-DP-RC-S	\$12.95	\$10.95

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

3 LEVELS OF SAVINGS
 FRANCHISE SOURCED
 GENERIC & NON-FRANCHISED
 JAMECO HOUSE BRANDS
 FACTORY OVERRUN

For more LCD Displays visit www.Jameco.com/LCDs

PC Power Supplies & Power Protection

3 LEVELS OF SAVINGS
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GENERIC & NON-FRANCHISED HOUSE BRANDS
FACTORY OVERRUN

Additional PC Power Supplies are available online at www.Jameco.com/Computer

150 to 500-Watt PC Power Supplies



ATX Power Supplies

* See photo above ★ Pull = Extra Savings

Part Number	Mfr.	Product Number	Power (W)	Output (VDC/A)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs)	Pricing		
										1	10	25
422094	Seasonic	SS-500HT Active PFC	500	+3.3/30, +5/30, +12/17, +12/16, -12/0.8, +5VSB/2	90-264@47-63	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	5.0	\$124.95	\$109.95	\$104.95
421981	Seasonic	SS-401HT Active PFC	400	+3.3/30, +5/30, +12/14, +12/15, -12/0.8, +5VSB/2	90-264@47-63	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	4.0	75.99	69.90	66.10
673379	Seasonic	SS-401HT-F3BLB	400	+3.3/30, +5/30, +12/14, +12/25, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	76.05	68.40	62.50
308814	Powmax	LP6100D*	400	+3.3/28, +5/30, +12/25, -5/0.3, -12/0.8, +5VSB/2	115/230 @ 60 switchable	3-prong AC receptacle w/ 6' power cord	UL/CUL/TUV/CE	5.9 x 5.6 x 3.4	3.5	54.95	49.95	44.95
1810144	LC Power	LC350U*	350	+3.3/16, +5/30, +12/15, -5/0.5, -12/0.8, +5VSB/2	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 125)	UL/TUV/CE	5.9 x 5.6 x 3.4	2.3	29.95	26.95	23.95
421972	Seasonic	SS-350FS	350	+3.3/28, +5/30, +12/17, -5/0.5, -12/0.8, +5VSB/2	90-264@47-63	3-prong AC receptacle (P/N 38050, pg 125)	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	3.0	56.99	52.40	49.40
427928	Seasonic	SS-300SD Active PFC★	300	+3.3/20, +5/20, +12/8, +12/14.5, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.1 x 4.9 x 2.5	2.7	53.95	51.19	48.65
673344	Seasonic	SS-300HS Active PFC	300	+3.3/20, +5/20, +12/8, +12/14, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	43.75	39.32	36.90
1810136	FSP	FSP300-601U*	300	+3.3/20, +5/25, +12/16, -5/0.3, -12/0.8, +5VSB/2	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 125)	UL/CUL/VDE/CE	8.3 x 4.0 x 1.6	3.3	49.95	44.95	39.95
1537310	FSP	FSP-300-60ATV*★	300	+3.3/28, +5/30, +12/15, +5VSB/2, -5/0.3, -12/0.8	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 125)	UL/CSA/TUV	6.0 x 5.6 x 3.5	4.0	26.95	23.95	19.95
319994	3Y Power Technology	AP-1250-1112*	250	+3.3/20, +5/25, +12/12, -5VSB/3, -5/5, -12/0.5	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 125)	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.9	33.25	31.65	23.75
421657	Powertronic	PK-6180DT3	200	+3.3/14, +5/22, +12/6, +5VSB/0.1, -5/0.5, -12/0.8	115/230 @ 47-63 switchable	3-prong AC receptacle (P/N 38050, pg 125)	UL/CUL/TUV	6.0 x 5.6 x 3.5	3.3	17.95	15.95	13.95
196189	Emacs	MPW-6150F*	150	+3.3/6, +5/10, +12/6, +5VSB/0.72, -5/0.2, -12/1	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 125)	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.5	34.95	29.95	24.95

AT Power Supplies

1537424	FSP	SPI-250G*	250	+5/26, +12/9, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 125)	UL/CSA/TUV/CE	6.0 x 5.6 x 3.4	3.1	\$29.95	\$26.95	\$23.95
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Surge Protectors

- Up to \$50,000 Ultimate Lifetime Insurance covers Isobar and connected equipment against surge damage for life!
- Diagnostic indicators on Ultra versions alert you to improper outlet wiring, loss of AC power, and damage to protection circuitry
- 4-outlet protectors: 6' cord; 8-outlet protectors: 12' cord
- UL 1449 and 1283 listed
- Lifetime warranty



19001
isobar®



Isobar Premium Surge Protector

Part No.	Product No.	Joules	Description	Wt. (lbs.)	1	10
18981	ISOBAR 4	2200	4 outlet, 2 isolated filters	2.4	\$49.95	\$44.95

Isobar Ultra Premium Surge Protector

19001	ISOBAR 8U	2350	8 outlet, 4 isolated filters	3.5	\$76.89	\$70.11
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We're committed to providing you with the best service in the industry.



Standard Surge Protector

Economical and effective spike and noise suppression with diagnostic LEDs.

- \$75,000 Ultimate Lifetime Insurance
- Up to 42,000 amp spikes • Weight: 1.6 lbs.



Part No.	Product No.	Joules	1	10
124337	Super 7	2350	\$19.95	\$17.95

6-Outlet Surge Protectors

- 20175: • Metal power strip
• 3-prong, 4' cord • Size: 12.3"L x 2.4"W x 1.3"H
• Max. spike current: 4500A, 50 joules

- 216485: • Heavy-duty power cord (14AWG x 3)
• RESET/OFF switch with built-in 15A circuit breaker
• Max. spike current: 4500A • Clamping voltage: 400V
• Max. surge dissip.: 150 joules • Max. surge volt.: 6500V



Part No.	Product No.	Weight	1	10	100
20175	51W1-13206	1.5 lbs.	\$11.85	\$11.14	\$10.58
216485	51W1-10206	0.9 lbs.	6.95	6.25	5.59

Computer Switch Boxes

See page 181 for NEW HDMI Switch

Additional Switch Boxes are available online at www.Jameco.com/Computer

KVM Switchbox

Part No.	Cross Ref. No.	Description	Connectors	Size (L" x W" x H")	Wt. (lbs.)	1	10
79177	40H1-07402	2-way keyboard / monitor switchbox (2 users to 1 PC)	HDDB15 female / 6-pin DIN female	6.0 x 4.5 x 2.6	1.3	\$20.99	\$18.89



Serial-to-PC Switchbox

79126	40D1-10602	2-serial port switchbox	DB9 female (2-ports to 1PC)	6.0 x 4.8 x 2.5	1.2	\$10.45	\$9.42
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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Computer Accessories are available online at www.Jameco.com/Computer

Legacy Intel® Desktop Processors

Part No.	Description	Speed (MHz)	Package	1	10
311204	Intel Celeron® processor ★	800	FCPGA-370	\$32.95	\$29.95
150501	Intel Pentium MMX® proc. ★	233	376/PGA	64.95	59.95

★ Pull = Extra Savings Blue Part No. = Limited Quantity Available

Legacy Memory Module

Part No.	Cross Ref. No.	Capacity	Description	Config.	Pins	1	10
41751	421000A9B-70	1MB	70ns SIMM	1M x 9	30	\$3.95	\$2.95

NEW
(MARKED IN PRICE)

CPU Heat Sinks and Fans**

Part No.	Description	Size (H" x W" x D")	1	10
206244	Heat sink w/ dual fan slot (SECC 2)	5.25 x 1.95 x 1.30	\$13.19	\$9.90
190545	Heat sink w/ fan for socket 370	2.45 x 2.42 x 2.10	13.55	12.19
645482	Heat sink w/ fan for socket 370	2.04 x 2.04 x 1.06	10.95	9.49
319185	Heat sink w/ fan for socket 7 & 370	1.38 x 2.36 x 2.59	7.95	6.95
129226	Heat sink for 486 CPU – adhesive back	1.70 x 1.63 x 0.36	2.95	2.65
684748	Heat sink w/ fan for socket 7 (AT/ATX)	1.00 x 2.60 x 2.30	6.95	5.95

** See www.Jameco.com for photos

XBOB-NC Video Text Module

XBOB integrates Decade's third-generation OSD technology into a convenient plug & play format. The command set is nearly identical to that of the popular BOB-3 module and XBOB includes all of the optional circuitry described in the BOB-3 Application Guide. XBOB lets your PC display up to 680 characters on standard video monitors and TV sets. With 63 user-definable character patterns, XBOB supports pseudo-graphics and multiple languages. XBOB generates video on-board, or automatically genlocks to your video source and superimposes characters over the image. Printable characters and commands control XBOB through a fast RS-232 data link, much like a simple serial printer.

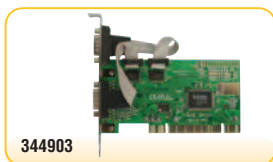
- Higher display density; 40x17 characters (680 max.)
- Horizontal (1 line) and vertical smooth scrolling (up to 16 lines)
- Stand-alone operation, for simple source ID or fixed reticle applications
- Improved automatic video mode control

Part No.	Description	1	10
283768	XBOB video text module	\$189.95	\$179.99
100845	9VDC power supply	4.59	4.37

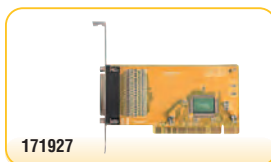
For Intel® Desktop Processors visit www.Jameco.com – Keyword: Intel



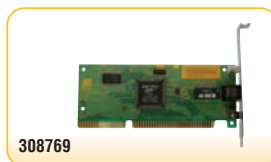
172006



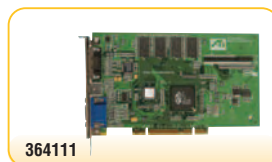
344903



171927



308769



364111

Serial Interface Cards

Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
171556	—	99378	ISA	2	DB9	16-byte FIFO, 921kb/sec transfer rate, IRQ 3/5/7/9/10/11/15 and address jumper configurable, dual 16C550 DB9 male.	\$29.95	\$25.95
172006	—	99467	PCI	2	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, dual 16C650 DB9 male.	48.45	43.65
171548	—	99468	PCI	4	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C550.	129.95	116.95
171661	—	99469	PCI	8	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C650.	190.69	171.62
344903	SYBA	SD-PCI-1S	PCI	2	DB9	32-bit PCI bus, dual DB-9 male, Nm9835CV chipset.	27.49	26.15

Blue Part No. = Limited Quantity Available

Parallel Interface Card

Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
171927	—	4008A	PCI	1	DB25	32-byte FIFO, 2MB/sec transfer rate, supports ECP and EPP, supports IRQ sharing, DB25 female.	\$39.95	\$35.95

Network Interface Card

Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
308769	3-COM	3C509B-TPO★	ISA	1	RJ-45	IEEE 802.3i (10Base-T) and IEEE 802.3 (10Mbps) compliant.	\$19.95	\$17.95

★ Pull = Extra Savings

Video Graphics Card

Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
364111	ATI	109-54100-00	PCI	—	HDDB15	8MB graphics accelerator, Rage LT PRO AGP chipset, 7-pin TV-out and DFB connectors, Windows® 98 and NT4.0 compatible.	\$29.95	\$24.95

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

Keyboards, Mice & PC Accessories

3 LEVELS OF SAVINGS
FRANCHISE SOURCED JAMECO
GENERIC & NON-FRANCHISED HOUSE BRANDS
FACTORY OVERRUN

Additional Keyboards and Mice are available online at www.Jameco.com/Computer



311183



211756



639550



173649



681230



265375



1537109

Part No.	Mfr.	Product No.	Interface	Description	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
311183	OKI	HMB-631PUS	PS/2	84-key soft touch mini keyboard w/ track point mouse	12.6 x 6.2 x 1.0	5.0	\$34.95	\$29.95	\$24.95
211756	—	WK-540	5-pin DIN	88/89-key soft touch keyboard w/ touchpad, Windows® compatible	11.4 x 8.5 x 1.2	2.3	39.95	29.95	24.95
639550	IONE	Scorpius-2KB	PS/2	103-key soft touch keyboard, Windows® 98SE/2000/ME/XP compatible (black)	15.9 x 6.5 x 1.3	2.1	43.95	38.95	35.95
173649	—	SUN 3201256-1	PS/2	104-key tactile keyboard w/ 12 function keys, separate arrow & numeric keys	18.2 x 7.0 x 1.5	2.7	12.95	10.95	8.95
681230	NMB	RT915CTW	PS/2	104-key tactile keyboard w/ 12 function keys w/built-in speakers	18.5 x 10.0 x 3.2	2.5	19.95	17.95	14.95
265375	ITRON	Scorpius-22RB	Serial	22-key serial tactile keypad w/ 2-key rollover and auto repeat function Includes manual and drivers	6.2 x 4.2 x 1.3	0.8	39.95	35.95	32.49
1537109	—	25551	USB	18-key USB tactile keypad	4.3 x 3.0 x 0.5	0.2	19.95	17.95	14.95



685943



687746



305082



283223



1586103

Part No.	Manufacturer	Product No.	Type	Interface	Description	Size (L" x W" x H")	1	10	25
685943	—	OW7751	Mech. Ball	USB	3-button with scroll; black	4.8 x 2.5 x 1.5	\$9.95	\$8.95	\$7.25
687746	Cherry	M-5000	Optical	USB-PS/2	3-button with scroll with PS/2 to USB adapter; black	4.6 x 2.6 x 1.5	19.95	17.95	14.95
305082	IONE	Libra-90	Trackball	PS/2	PS/2 trackball with USB adapter	5.6 x 4.7 x 1.9	29.95	26.95	24.25
283223	—	—	Mech. ball	DB9 female	3-button serial	4.3 x 2.6 x 1.6	5.95	4.95	3.95
1586103	A4TECH	MOP-57	Optical	USB	3-button with scroll; silver	3.5 x 1.8 x 1.3	13.95	12.49	10.95
121363	—	KP-01	Mouse pad	—	Mini mouse pad	7.0 x 5.5	3.89	3.24	2.40

USB 2.0 Ethernet Adapter

This USB 2.0 Ethernet Adapter is a high performance, highly integrated USB 2.0 bus Ethernet controller with embedded 7k x 16 bit SRAM.

- USB 2.0 and 1.1 compliant
- IEEE802.3 (10Base-T) & 802.3u (100Base-TX)
- Supports full-duplex and half-duplex operations
- Supports suspend mode & remote wakeup via link-up
- USB port powered • Plug and play installation

Requirements: IBM compatible Pentium® 233MHz or faster, 64MB or more, USB port available, Windows® XP/2000/Vista 32/64-bit, Mac® OS x 10.x

NEW
MARKED IN PINK



Part No.	Product No.	Size	1	10
1944513	AE2201	2.8"L x 2.0"W x 1.0"H	\$22.75	\$21.84

See page 181 for more **NEW** USB Link Adapters

Serial ATA to IDE Converter

NEW
MARKED IN PINK

This serial ATA to IDE converter allows standard parallel ATA hard disk drives, CD-ROM, CD-RW, DVD-ROM, DVD + RW, to be used with serial ATA PCI cards or motherboards with serial ATA ports and meet the specification of serial ATA 1.0 interface.

- Compliance with Serial ATA Gen. 1.0
- Master/slave device emulation support
- Supports PIO mode 0 ~ 4
- Supports UDMA transfer rates of up to 150Mbps
- Supports ATAPI command set
- Supports Ultra DMA mode 0 ~ 7
- Supports 48-bit LBA addressing

Requirements: PC with available Ultra ATA hard disk (IDE) and available Serial ATA host port



Part No.	Product No.	1	10
1944661	AD3300	\$28.69	\$27.54

IntelliMover Kit

The IntelliMover kit lets you quickly and easily move email, music, photos, files, folders, settings and more from your old PC to a new PC. You can select file types, and settings that you want to move, so you do not end up cluttering your new PC with unwanted files.

- Transfers data and settings from one product version to another (e.g. Microsoft® Word 97 to Word XP)
- Transfers data and settings across operating systems
- Integrates intelligently on your new PC; there's no over writing of drivers or data files
- "Drag and Drop" individual files and folders between two PC's with the IntelliMover's file transfer utility and either data transfer cable



Part No.	Description	1	10
689910	IntelliMover kit with CD	\$19.95	\$17.95

ATX Vertical Full Tower Case

- Slide-off side panel access
- LED indicators for power and HDD activity
- Front panel reset switch and power switch
- Internal 8Ω speaker
- 5 exposed 5.25" bays, 3 exposed 3.5" bays, 2 internal 3.5" bays
- Size: 7.5"W x 16.8"D x 24.5"H
- Weight: 25 lbs.

NEW
MARKED IN PINK



Part No.	Description	1	10
292066	ATX full tower	\$49.95	\$47.45

Hands-Free Condenser Microphone

- Cord length: 8' • One-year warranty
- Connector: 3.5mm male stereo plug
- Size: 1.9"L x 1.2"W x 0.3"H



Part No.	Description	1	10	50
135248	Microphone	\$4.49	\$3.99	\$3.65

USB 2.0 Docking Station

- Connects via USB-A port to your laptop
- Size: 4.8"W x 2.5"D x 1.0"H

System Requirements: PC with 75MHz min. Pentium® or equivalent; 16MB of RAM min., available USB-A port, Windows® 98 or later

Part No.	Product No.	1	5
527822	USB 2.0 dock	\$19.95	\$17.95



Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us!

1-800-831-4242

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Computer Networking Products are available online at www.Jameco.com/Computer**RS-232 to RS-485/422 Bidirectional Converters**

- Cable length: 4000' max.
- Data rate: 1MB/second
- Controlled by RTS signal
- 4-wire full duplex or 2-wire half duplex
- DCE and DTE selectable
- Point-to-point and multidrop operations
- RS-232: DB25 female connector
- RS-485: terminal block and RJ11 connections
- Input: 110VAC • Weight: 0.9 lbs.
- One-year warranty



117701

Now a European Version!

197931: Port powered (power adapter not included)
Data rate: 100kbps

122956: Features RS-485SI; optical isolation: 2000V

Part No.	Description	1	10
117701	RS-232-485/422	\$59.69	\$53.51
197931	RS-232-485/422	69.95	52.45
122956	RS-232-485/422 OPT ISO	124.79	93.59

Bidirectional Non-Buffered Serial-to-Parallel Converter

- Bidirectional conversion of parallel and serial signals
- Serial interface: hardware handshake RTS/CTS, software handshake Xon/Xoff; DCE/DTE selectable; parity: odd, even, or no parity; data bits: 7, 8
- Connectors: one DB25 female and one Centronics 36-pin male
- Stop bits: 1 or 2 • Baud rate: 300 to 38,400bps
- Weight: 0.8 lbs. • Size: 4.0"L x 2.5"W x 1.0"H
- One-year warranty



Includes: AC adapter (9VAC @ 200mA) and manual

Part No.	Description	1	10	25
116935	Bi-converter	\$53.95	\$50.95	\$47.95

**Bidirectional Serial-to-Parallel Converter****115.2kbps, 512kB Buffer**

- One DB25 female connector, one Centronics 36-pin male connector
- Fully compatible w/ Win® 95
- Baud rate: 300bps – 115,200bps
- FCC class A certified, CE certified
- LED indicator for parallel busy status
- DCE/DTE selectable • Stop bits: 1 or 2
- Size: 3.8"L x 2.4"W x 1.0"H • Weight: 0.8 lbs.
- One-year warranty



Includes: 9VAC @ 200mA adapter

Part No.	Description	1	10
182983	Serial/parallel converter	\$48.49	\$40.75

Short Haul Modem

- Up to 38,400 baud
- Will communicate over 6.3 miles of cable
- No external power required
- DCE/DTE selectable
- Xon-Xoff or hardware handshaking
- RS-232 interface (DB25 female)



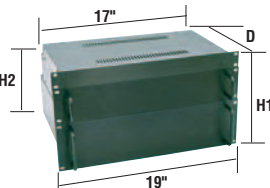
QUANTITY SAVE

Part No.	Description	1	10	25
116581	Short haul modem	\$29.95	\$25.46	\$19.10

BELDEN Power Over Ethernet Hubs visit www.Jameco.com

19" Rack Mount Enclosures

- Ventilation holes on all sides
- Front and back panels are steel w/ aluminum, pre-punched face plates
- 0.12" thick black front panel
- Top, bottom and sides are durable 0.035" steel
- All enclosures have handles except P/N 132813



Includes: Mounting screws

Part No.	Dimensions (In.)			Wt. (lbs.)	Pricing	
	H1	H2	D		1	10
132813	1.73	1.25	9.75	6.2	\$40.35	\$30.26
132822	3.46	3.00	9.75	7.9	51.79	46.97
132840	3.46	2.88	11.75	9.1	53.95	48.59
132848	5.22	4.75	11.75	10.6	63.95	55.99
132856	5.22	4.75	13.50	11.8	75.05	67.92
132864	8.56	8.00	13.50	15.4	94.95	84.95

QUANTITY SAVE

19" Rack Panels & Screw

229489/229500: 19"W panels

- 10-gauge black steel

229446: Rack screw

- 10/32 screw; 5/8" phillips head (50 ea.)

229489

Part No.	Description	Height	Price
229489	Rack panel (2U)	3.50"	\$10.95
229500	Rack panel (4U)	7.00"	14.85
229446	Rack screw	—	8.25

NEW MARKED IN PINK

19" Rack Mount Drawer with Keyboard and Trackball

- Occupies a single unit (1U) rack space
- PS/2 connector for keyboard and trackball
- Weight: 18 lbs.
- Size: 19.0"W x 13.0"D x 1.75"H



Includes: Wrist pads, module, PS/2 to 5-pin DIN and PS/2 to 9-pin adapters, and software

Part No.	Description	1	10
220644	Rack mount KB drawer	\$249.99	\$187.49

QUANTITY SAVE

19" Rack Mount Enclosure for 14" Monitor

- Clear glass front panel
- Hinged door for accessing monitor controls
- Color: gray
- Size: 19.0"W x 15.1"D x 14.0"H
- Weight: 30 lbs.



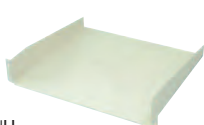
Monitor not included

Part No.	Description	Price
136021	Enclosure for 14" monitor	\$179.05

NEW MARKED IN PINK

Cabinet Mounting Plate for 19" Cabinet

- Use as industrial chassis mounting plate for servers, PCs or patch panels
- Made of industrial grade steel and aluminum
- Size: 19.0"W x 15.8"D x 3.5"H



Part No.	Description	1	10
149500	Cabinet mount plate	\$39.95	\$35.95

**19" Rackmount Patch Panels****PS5E HD-110 Patch Panels**

The universal PS5E HD patch panel series includes a variety of product styles, sizes and wiring configurations. PS5E HD patch panels are robust and installer-friendly products by design, combining punch down connectors with standard modular jacks. The PS5E HD patch panels offer category 5E performance.

- Color: black

Part No.	Product No.	Description	1	5
701289	AX100452	1U, 24 port	\$118.15	\$107.69
701294	AX100454	2U, 48 port	213.99	203.31

NEW MARKED IN PINK

Flex Patch Panels

Flex patch panels provide a flexible and versatile termination solution for telecommunications room rack-mount installations. The panels can be custom configured in the field to suit practically any particular configuration.



Part No.	Product No.	Description	1	10
1939811	AX101456	1U, 24 port	\$31.95	\$30.62
1939837	AX101458	2U, 48 port	52.09	49.43

NEW MARKED IN PINK

**Cat5e Bezel**

- RJ-45 • Pack of 10
- Color: almond

NEW MARKED IN PINK



Part No.	Product No.	1	10
636130	INS-C5RA	\$3.19	\$3.02

QuickNetwork Install Can

- Type: install can for QuickNetwork panels
- Feature: power supply and cover installed
- Size: 24"



Part No.	Product No.	1	10
636607	QN24	\$78.49	\$70.65

FutureSmart

**Wall Outlet**

- Four port hanging
- 2 RJ-45 and 2 RG-6
- Color: white

NEW MARKED IN PINK



Part No.	Product No.	1	10
636931	REC-104W	\$9.05	\$8.59

We're Listening to What You Need

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NewProducts@Jameco.com

Additional Security Products are available online at www.Jameco.com/Computer

SONY® Color CCD Camera

Sony Chipset

- 1/4" Sony super HAD CCD sensor
- NTSC system w/510(H) x 492(V)
- Furnished mini lens: 3.6mm
- Minimum illumination: 0.5 lux @ F2.0
- Supports these functions: auto electronic shutter (AES), auto iris control (AIC), auto gain control (AGC), auto white balance (AWB), back light compensation (BLC) and flicker less (FL)
- Video drive iris control; high/low switchable auto gain control; on/off backlight compensation
- Video output: 1Vp-p; 75Ω

Requires: 12VDC @ 120mA power supply (recommend P/N 163993, pg 131)

Includes: Power/signal cable & mounting hardware

Part No.	Description	1	10
213436	Enclosed color camera	\$188.95	\$170.05

Black & White Camera with Lens

EIA Format

- 1/3" CCD image sensor
- 510(H) x 492(V)
- Horizontal res.: >350 lines
- Sensitivity: 0.7 lux/F2.0
- Power supply: 12VDC (recommend P/N 162996, pg 130)
- Video output: 1Vp-p, composite video 75Ω
- Power consumption: 110mA • FOV: 92°
- Electronic shutter: 1/125,000 sec. (linear)
- S/N ratio: 46dB • Size: 1.3"L x 1.3"W x 1.2"H

Part No.	Description	1	10
171029	Camera board	\$44.95	\$33.71

Color Camera with 8mm Lens

- 1/3" CCD image sensor
- Horizontal res: 420 lines
- Min. illumination: 0.5 lux
- Electronic shutter: 1/120,000 sec.
- 510(H) x 492(V) EIA signal format
- Auto iris lens: DC drive/AES/video drive
- Video output: 1Vp-p, 75Ω • Vertical freq.: 60Hz
- Audio output: 2Vp-p max., 50Ω
- Backlight, auto-gain, and mirror reverse picture switch selectable • S/N ratio: 52dB
- Auto-tracing white balance • 2X digital zoom
- Power requirements: 12VDC @ 150mA

Part No.	Description	1	10
395461	Color camera	\$103.35	\$93.89

Color Digital CCD IR Dome Camera

NTSC format

- Image sensor: inch interline transfer CCD
- Auto-electronic shutter
- Auto white balance
- Scanning system: 525 lines, 60 fields/sec

Part No.	Description	1	10
1581370	Dome camera	\$104.95	

Mini Wireless Color Camera

This super-small (1" x 3/4" by 7/8") 1/4 ounce, 3 Lux wireless camera and receiver combo delivers sharp, full-motion video images at 380 lines of resolution. With its 150' (unobstructed) range and 9-volt battery power.

Part No.	Description	1	10
249025	Wireless color camera	\$89.95	\$69.95

Color Interline Camera

Water resistant with mounting bracket

- 1/3" CMOS image sensor
- EIA format: 512(H) x 492(V)
- 330 horizontal line resolution
- 5 lux sensitivity • FOV: 530
- Video output: 1V p-p; 75Ω
- 6mm lens/F2.0 • S/N ratio: 40dB
- Electronic shutter: 1/60 – 1/1,200 sec.
- Connectors: 1 standard RCA female jack for video, and in-line 2.1mm power-plug connector for power supply

Includes: Adjustable mounting bracket, instruction sheet and 9V @ 100mA power supply

Part No.	Description	1	10
185017	Color camera	\$99.95	\$74.96

DigiVue™ Digital Surveillance System

- Input signal: 4 video, 1 audio channel
- Display/record: 60 frames/sec.
- Enhanced MPEG4 format
- Adjustments: light, contrast, hue, saturation
- Record mode: event/continuous/schedule
- Resolution: 160 x 120 to 640 x 480
- Storage: HDD/VDRAM/CD-RW/DAT/MO/ZIP/RAID
- Supports real time WAN/LAN and internet monitoring via client software, internet explorer

Includes: CD-ROM and drivers

Minimum system requirements: Pentium® 4, 1.8GHz, 256MB RAM, 32MB AGP video card

Part No.	Product No	1	10
639568	EDV-XV425	\$94.95	\$85.46

Outdoor Metal Camera Enclosure

- Plate glass: 3mm thick
- Clear window area: 2.5"W x 2.3"H
- Max. camera size: 4.0"L x 2.4"W x 2.4"H
- Size: 16.0"L x 4.9"W x 4.9"H
- Weight: 2.8 lbs.

Part No.	Description	1	10
170931	Camera housing	\$28.45	\$21.34

5.6" Color TFT Monitor

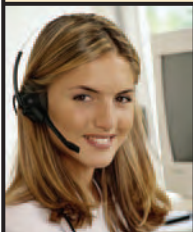
NTSC Format

- TFT color LCD display
- 224 x 640 pixel display resolution
- Built-in 1 watt speaker
- Video input: 1.0Vp-p; 75Ω
- Audio input: 2Vp-p; 2kΩ
- Brightness, color and volume adjustments
- Size: 6.1"W x 1.2"D x 4.8"H • Weight: 2.6 lbs.

Includes: RCA cable, mounting stand with hardware and 12VDC @ 500mA power supply

Part No.	Description	1	10
201702	5.6" TFT color monitor	\$279.95	\$209.96

Committed to You



We're committed to providing you with the best service in the industry.

2.4GHz Wireless Audio/Video Transmitter

- Frequency range: 2413MHz to 2470MHz
- Impedance: 50Ω
- Output power: 1 Watt
- Video input: 1Vp-p
- Audio input: 2Vp-p

Includes: 12VDC @ 1A wall adapter, RCA patch cable, antenna and mounting hardware

Part No.	Description	1	10
179864	Wireless audio/video tran.	\$199.95	\$179.95
179864	2.4GHz SMA RF antenna	13.65	10.24
179872	Wireless extension cable	10.99	8.24

4-Channel 2.4GHz Wireless Audio/Video Receiver & 10mW Transmitter

- Transmission range: 492' (150M outdoors); 164' (50M indoors)
- 4-channel switch selectable on transmitter
- Output power (transmitter): 10mW
- Output impedance: 50Ω typical
- Video input: 1Vp-p composite
- Audio input: 2Vp-p max.

Receiver:

- Non-volatile memory protects system set-up from power loss
- Video loss detection & freeze channel
- Mute and alarm trigger port • Weight: 1.8 lbs.

Includes: RCA cable, 12VDC @ 500mA adapter, RCA to F connector adapter (receiver unit only)

Part No.	Description	1	10
192858	4-channel transmitter	\$89.75	\$80.80
192866	4-channel receiver	124.95	112.95

DigiVue™ Complete Digital Video Recording Security System

EDV-XV425 Video Capture Card:

- 60fps per card
- Monitors multiple IP addresses
- Supports multiple card installations
- 4-ch video and 1-ch audio
- Supports real time WAN/LAN and internet monitoring

Includes: PCI video capture card, 2 outdoor color day/night cameras, 2 micro dome color cameras, video recording software w/ drivers, four 50' video/power cables and 4 power supplies for the camera

Part No.	Product No	1	10
639584	EDV-XV425 kit	\$489.95	\$449.99

Cable Assemblies

75Ω RG59/U BNC – BNC

Part No.	Length	1	10	50	100
262730	25 ft.	\$9.95	\$8.95	\$8.05	\$7.25
262748	50 ft.	17.05	15.35	12.28	9.21

75Ω BNC – BNC and Jack-to-Jack

Part No.	Length	1	10
1581388	50 ft.	\$24.49	\$23.23
1581409	100 ft.	28.59	27.14

For additional BNC Cables see page 85.

Additional Digital Multimeters are available online at www.Jameco.com/Test

EXTECH
INSTRUMENTS

400A AC/DC Clamp Meter/Multimeter

- Auto ranging with auto power-off
- 0.9" (23mm) jaw size
- Continuity beeper and diode test
- Overload protection
- Over range and low battery indicators
- One touch "Auto Zero"
- 4000 count LCD display
- Data hold freezes current reading on display
- Measures AC/DC current, DCV, ACV, resistance, capacitance, frequency, temperature, and duty cycle
- Basic current accuracy: AC: $\pm 3.0\%$; DC: $\pm 2.5\%$
- Basic voltage accuracy: AC: $\pm 2.0\%$; DC: $\pm 1.5\%$
- **AC/DC current ranges:** 40A–400A; 0.01A max. res.
- **Capacitance ranges:** 40nF–1000 μ F; 0.01nF max. res.
- **DC/AC volt. ranges:** 400mV–600V; 0.1mV max. res.
- **Resistance:** 400 Ω –40M Ω ; 0.1 Ω resolution
- **Duty cycle:** 0.5%–0.99%; 0.1% max. res.
- **Frequency ranges:** 5Hz–150kHz; 0.001Hz max. res.
- **Temperature ranges:** -58° to +1830°F (-50° to +1000°C); 1° max. resolution



Includes: Test leads, case, and 2 AAA batteries

Part No.	Product No.	1	5
374070	MA220	\$89.09	\$80.18

EXTECH
INSTRUMENTS

1000A Clamp Meter with IR Thermometer

- Non-contact IR temperature measurements with laser pointer
- Peak hold captures inrush current and voltage measurement
- 1.7" (43mm) jaw opening for conductors up to 750MCM
- 4000 count backlit dual display
- Auto ranging with manual range button
- Continuity and diode test
- True RMS
- **IR temperature ranges:** -58°F – 518°F (-50°C – 270°C)
- **AC/DC current ranges:** 0.1A – 1000A
- **AC/DC voltage ranges:** 0.1mV – 600V
- **Resistance ranges:** 0.1 Ω – 40M Ω
- **Capacitance ranges:** 0.001nF – 40,000 μ F
- **Frequency ranges:** 0.001kHz – 4kHz
- **Type K temp. ranges:** -4°F – 1400°F (-20°C – 760°C)
- Size: 10.6"L x 4.3"W x 2.0" thick



Includes: Test leads, 9V battery, type K probe, and belt holster

Part No.	Product No.	1	5
1585881	EX830	\$199.89	\$189.90

Mini DC/AC 2000-Count Clamp Meter/Multimeter

- Bright 1/2" LCD
- Data hold
- 0.5" digit height
- Size: 7.1"L x 1.9"W x 1.4"H
- Weight: 0.9 lbs.

NEW
MARKED IN PINK



Requires: 9V battery not included (P/N 151095, pg 136)

Includes: Test leads, manual and case

Part No.	Description	1	10
115756	Mini DC/AC clamp meter	\$119.95	\$107.95

ACA*	20A, 200A	$\pm 1.2\% + 5d$
DCA	200A	$\pm 1.2\% + 5d$
ACV*	500V	$\pm 1.0\% + 2d$
DCV	200V	$\pm 0.8\% + 1d$
Resistance	200 Ω	$\pm 1.2\% + 1d$
*Frequency Response	40–400Hz	
Zero Adjust	External knob for DCA	

EXTECH
INSTRUMENTS

Passive-Component Digital LCR Meter

- 4½-digit backlit LCD display
- Measures L, C and R with secondary parameter Q, D or R; both are displayed
- Selectable parallel or series equivalent circuit
- Quality (Q) reading: 0 to 9999
- Test frequencies of 120Hz and 1kHz
- **Resistance ranges:** 20 Ω to 10M Ω
- **Inductance ranges:** 2000 μ H to 10,000H
- **Capacitance ranges:** 2000pF to 10mF
- Set HI/LO limits, absolute or percentage
- Bidirectional RS-232 port with optional software
- Max./Min./Avg. recording with auto power off
- Accuracy of 0.7% for L & C, 0.5% for R
- Dissipation Factor (D) reading: 0 to 0.9999
- Size: 3.6"W x 2.1"D x 7.6"H • Weight: 0.8 lbs.



Includes: Test leads, alligator clips, 9V battery & holster

Part No.	Description	1	10
198678	LCR Meter	\$199.95	\$189.95
189238	9VDC @ 300mA adapter	5.35	4.52

EXTECH
INSTRUMENTS

Passive Component R/C SMD Tweezer Meter

One hand operation for fast, precise identification and measure of surface mount components.

- 4000 count LCD display
- Measures resistance, capacitance and diode test
- Relative mode for zero or user applied reference
- Over range & low battery indicators
- **Resistance range:** 400 Ω , 4k Ω , 400k Ω , 4M Ω , 40M Ω
- **Capacitance range:** 4nF, 40nF, 400nF, 4 μ F, 40 μ F, 200 μ F
- Size: 7.1"L x 1.4"W x 0.8"D



NEW
MARKED IN PINK

Part No.	Product No.	1	5
1939685	RC100	\$49.99	\$47.49

Pocket Size Digital Multimeter

- 3-1/2 digit, 0.5" 7-segment LCD display
- 4 functions
- DC voltage range: 200mV to 1000V with 0.5% accuracy of reading
- AC voltage range: 200V to 750V with 1.2% accuracy of reading
- DC current range: 200 μ A to 10A with 1% accuracy of reading
- Resistance range: 200 Ω to 2000k Ω with 1% accuracy of reading
- Continuity, transistor (NPN/PNP), and hFE tests
- Includes probe, guide, and 9V battery

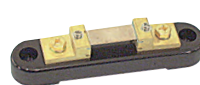
NEW
MARKED IN PINK



Part No.	Product No.	Price
1928476	DT-830B	\$15.95

50mV/50A Current Shunt

- Current range: 0 to 50A
- Accuracy: 0.8% \pm 0.2mV
- Output ratio: 1mV/1A
- Max. current: 100A



Part No.	Description	1	10	25
162309	Current shunt	\$28.19	\$25.41	\$22.54

EXTECH
INSTRUMENTS

40,000 Count Heavy Duty Industrial Multimeter

- Double molded for waterproof protection
- 1000V input protection on all functions
- Dual sensitivity frequency functions
- Large backlit LCD with bargraph
- Auto power off with disable feature
- Min/max/relative/data hold functions
- 8 functions w/ continuity and diode testing
- **DC/AC voltage range:** 0.1mV to 1000V
- **DC/AC current range:** 0.01 μ A to 20A
- **Resistance range:** 0.01 Ω to 40M Ω
- **Capacitance range:** 0.001nF to 40mF
- **Frequency (electrical) range:** 0.01Hz to 400Hz
- **Frequency (electronic) range:** 0.001Hz to 100MHz
- **Temperature range:** -50° to 1382°F (-45° to 750°C)
- Size: 7.25"L x 3.25"W x 2.25"D



NEW
MARKED IN PINK

Includes: Double molded test leads, magnetic hanging strap, Type K bead wire temperature probe, carrying case, and 9V battery

Part No.	Product No.	1	5
1939651	EX530	\$209.95	\$199.95

velleman 3-in-1 Lab Center

*Your space-saving lab solution!
Everything you need in one unit.*



Digital Multimeter:

- 3-1/2 backlit LCD • Automatic polarity indication
- DC voltage ranges: 200mV to 600V
- Data hold function and buzzer
- AC voltage ranges: 200V to 600V
- DC current ranges: 200 μ A to 10A
- Resistance ranges: 200 Ω to 2M Ω
- Diode, transistor and continuity tester

QUANTITY SAVE

Regulated Power Supply:

- Selectable output volts: 3 to 4.5; 6 to 7.5; 9 to 12VDC
- Output current: 1.5A (2A peak) • On/off switch
- LED overload and power indicators

Soldering Station:

- 48W ceramic heating element with temp. sensor
- 24V soldering iron • Temp. range: 150° to 450°C

Includes: Test leads, user manual, sponge, spare bit for soldering iron and 9V battery for DMM

Part No.	Product No.	1	5
695025	LAB1	\$189.95	\$142.46

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 175.

Additional Digital Multimeters are available online at www.Jameco.com/Test



Mastech M300

- 2000 count
- 6 functions
- Extremely low cost



P/N 220812
\$9.65



Velleman DVM850BL

- 2000 count
- 6 functions



P/N 355207
\$16.75



Jameco JE110

- 2000 count
- 6 functions
- 100µV resolution



P/N 119212
\$19.95



BP-1562

- 2000 count
- 6 functions



P/N 318781
\$9.95

JAMECO EXCLUSIVE



Mastech MAS830L (220759)

- 2000 count
- 7 functions
- Continuity test



220741

Mastech MAS838 (220741)

- 2000 count
- 8 functions
- Temperature

P/N 220759
\$15.85

P/N 220741
\$19.95

Basic Measurement Functions

Jameco Part No.	Product No.	Display Count	No. of Functions	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)	Inductance Ranges (H)	
220812	Mastech M300	2000	6	1mV	2 - 500	200 - 500	200mA	—	2k - 2M	—	—	
355207	Velleman DVM850BL	2000	6	100µV	200m - 100	200 - 600	200µ - 10	—	200 - 2M	—	—	
119212	Jameco JE110	2000	6	100µV	200m - 1000	200 - 750	200µ - 10	—	200 - 2M	—	—	←
318781	BenchPro BP-1562	2000	6	100µV	200m - 600	200 - 750	200µ - 10	—	200 - 2M	—	—	
220759	Mastech MAS830L	2000	7	100µV	200m - 600	200 - 600	200µ - 10	—	200 - 2M	—	—	
220741	Mastech MAS838	2000	8	100µV	200m - 600	200 - 600	2m - 10	—	200 - 2M	—	—	
220775	Mastech MY64	2000	11	100µV	200m - 1000	200m - 700	2m - 10	2m - 10	200 - 200M	2n - 20µ	—	
645571	Velleman DVM890F	2000	11	100µV	200m - 1000	2 - 700	2m - 20	20m - 20	200 - 200M	2000p - 20µ	—	
220767	Mastech MY68	3260	12	100µV	326m - 1000	3.26 - 700	326µ - 10	326µ - 10	326 - 32.6M	326n - 32.6µ	—	
645626	Extech EX330*	4000	9	100µV	.1m - 1000	.1m - 750	.1µ - 10	.1µ - 10	.1 - 40M	.001n - 200µ	—	
1581177	Extech EX430	4000	9	100µV	.1m - 1000	.1m - 750	.1µ - 20	.1µ - 20	.1 - 40M	.1n - 100µ	—	
692502	Extech DM110	4000	10	100µV	0 - 500	0 - 500	0 - .40	0 - .40	400 - 40M	0 - 200µ	—	←
211650	Extech MN26T	4000	11	100µV	400m - 600	400m - 600	400µ - 10	400µ - 10	400 - 40M	4n - 200µ	—	
117373	BenchPro BP-1949	4000	11	100µV	400m - 400	4 - 400	400µ - 10	400µ - 10	400 - 4M	50n - 100µ	—	
137462	BenchPro BP-1737	4000	11	100µV	400m - 400	4 - 400	400µ - 10	400µ - 10	400 - 4M	50n - 100µ	—	
1581185	Extech MP510†	5000	7	10µV	50m - 1000	50m - 1000	500µ - 10	500µ - 10	50 - 50M	50n - 9999µ	—	
1537328	Fluke 115†	6000	9	100µV	600m - 600	600m - 600	6 - 20	6 - 20	600 - 40M	1000n - 9999µ	—	
1537336	Fluke 117†	6000	9	100µV	600m - 600	600m - 600	6 - 20	6 - 20	600 - 40M	1000n - 9999µ	—	
192655	Fluke 175	6000	12	100µV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999µ	—	
185535	Fluke 179†	6000	13	100µV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999µ	—	←
222527	Wavetek/MM 37XR	10,000	14	100µV	1000m - 1000	1000m - 750	100m - 10	100m - 10	1000 - 40M	40n - 400µ	4m - 40	
318764	BenchPro BP-1415	20,000	8	10µV	200m - 1000	2 - 700	2m - 20	2m - 20	200 - 200M	2000p - 20µ	—	
1581214	Protek 6800	80,000	10	1µV	8 - 1000	80m - 750	80m - 10	80m - 10	80 - 80M	1n - 100µ	—	

* with non-contact voltage detector (100-600VAC range)

† with backlight



Extech MN26T

- 4000 count
- 11 functions
- Autorange
- Temp./frequency



P/N 211650
\$39.95



BP-1949 (117373)

- 4000 count
- 12 functions/RS-232
- Autorange
- Temp./frequency

BP-1737 (137462)

- 4000 count
- 12 functions/RS-232
- Autorange
- Temp./frequency
- True RMS



137462

P/N 117373
\$89.95



Extech MP510

- 5000 count
- Backlit LCD/ auto power off



P/N 1581185
\$149.95



Fluke 115 (1537328)

- 6000 count
- Backlit
- True RMS

Fluke 117 (1537336)

- 6000 count
- Backlit
- True RMS
- Non-contact voltage



P/N 1537328
\$163.05

P/N 1537336
\$193.69

Additional Digital Multimeters are available online at www.Jameco.com/Test

Sizes shown are for relative comparisons.



Mastech MY64

- 2000 count
- 11 functions
- Temp./frequency



P/N 220775
\$42.69



Velleman DVM890F

- 2000 count
- 11 functions



P/N 645571
\$38.79



Mastech MY68

- 3260 count
- 12 functions
- Autorange
- Analog bargraph



P/N 220767
\$49.49



Extech EX330*

- 4000 count
- 9 functions
- Non-contact AC voltage detector



645626

P/N 645626
\$55.95

Extech EX430

- 4000 count
- True RMS
- Auto ranging

P/N 1581177
\$79.95



Extech DM110

- 4000 count
- 10 functions
- Autorange



P/N 692502
\$29.99



QUANTITY SAVE

				Test Functions				Special Functions				<div>QUANTITY SAVE</div>			
	Frequency Ranges (Hz)	Temperature Range		Diode Test	Logic Test	Continuity Test	Transistor hFE Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")	Jameco Part No.	Pricing	
		°C	°F											1	5
→	—	—	—	✓		✓						4.7 x 2.7 x 0.8	220812	\$9.65	\$7.24
	—	—	—	✓		✓	✓					5.4 x 2.7 x 1.2	355207	16.75	15.92
	—	—	—	✓		✓	✓					4.8 x 2.6 x 1.0	119212	19.95	16.46
	—	—	—	✓		✓	✓					5.4 x 2.7 x 1.2	318781	9.95	9.45
	—	—	—	✓		✓	✓					5.7 x 3.0 x 1.4	220759	15.85	14.99
	—	-20 to 1000	—	✓		✓	✓					5.7 x 3.0 x 1.4	220741	19.95	15.96
	2k - 20k	-20 to 1000	—	✓		✓	✓					7.4 x 3.6 x 1.3	220775	42.69	32.02
	—	—	-58 to 1832	✓		✓	✓					6.7 x 3.5 x 1.5	645571	38.79	36.91
	32.6k - 150k	—	—	✓		✓	✓	✓	✓			7.4 x 3.6 x 1.3	220767	49.49	37.12
	.001 - 10M	-50 to 1000	-58 to 1832	✓		✓		✓				5.7 x 2.9 x 1.6	645626	55.95	52.95
→	.001 - 10	-20 to 750	-4 to 1382	✓		✓		✓			✓	7.4 x 3.2 x 2.0	1581177	79.95	75.95
	9 - 10M	—	—	✓		✓		✓				4.3 x 2.2 x 0.5	692502	29.99	27.99
	10 - 10M	0 to 760	0 to 1400	✓		✓		✓				4.8 x 2.4 x 1.6	211650	39.95	37.95
	5 - 50k	-20 to 1000	—	✓		✓		✓		✓		7.7 x 3.6 x 1.6	117373	89.95	71.90
	5 - 50k	-20 to 1000	—	✓		✓		✓		✓	✓	7.7 x 3.6 x 1.6	137462	135.99	101.99
	0.01 - 125k	—	—	✓		✓			✓			7.4 x 3.4 x 1.4	1581185	149.95	142.45
	99.99 - 50k	—	—	✓		✓		✓			✓	10.9 x 6.3 x 2.2	1537328	163.05	154.91
	99.99 - 50k	—	—	✓		✓		✓			✓	10.9 x 6.3 x 2.2	1537336	193.69	185.91
→	99.99 - 99.99k	—	—	✓		✓		✓			✓	7.3 x 3.5 x 1.7	192655	242.89	235.63
	99.99 - 99.99k	-40 to 400	-40 to 752	✓		✓		✓			✓	7.3 x 3.5 x 1.7	185535	255.35	250.25
	100 - 10M	—	—	✓	✓	✓		✓			✓	7.8 x 3.6 x 2.4	222527	129.49	122.99
	20k	—	—	✓		✓	✓					7.4 x 3.6 x 1.2	318764	73.49	66.15
	1K - 8M	-50 to 1372	-58 to 2502	✓		✓			✓	✓	✓	7.5 x 3.5 x 1.5	1581214	223.95	212.95



Fluke 175

- (192655)
- 6000 count
- 12 functions
- Autorange
- Frequency



185535

P/N 192655
\$242.89

P/N 185535
\$255.35



Wavetek/MM 37XR

- (222527)
- 10,000 count
- 14 functions
- Inductance
- Autorange
- dB display



P/N 222527
\$129.49

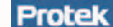


BP-1415

- 20,000 count
- 8 functions
- Capacitance



P/N 318764
\$73.49



Protek 6800

- 80,000 count
- 10 functions
- RPM, DBM function
- Square wave generator



P/N 1581214
\$223.95

Multimeters & Digital Oscilloscopes

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
JAMECO HOUSE BRANDS
FACTORY OVERRUN

Additional Oscilloscopes are available online at www.Jameco.com/Test

2000-Count Multimeters

- Resolution: 100 μ V max.
- DC voltage ranges: 200mV – 1000V
- Size: 7.5"W x 9.6"D x 2.5"H
- Weight: 2.6 lbs.



160830: 3 1/2-Digit

- DC/AC current ranges: 20 μ A – 10A
- AC voltage ranges: 200mV – 700V
- Resistance ranges: 200 Ω – 20M Ω
- Conductance ranges: 2 μ S – 200nS

FLUKE.

203801: 3 1/2-Digit

- DC/AC current ranges: 20 μ A – 2A
- AC voltage ranges: 200mV – 700V
- Resistance ranges: 200 Ω – 20M Ω
- Conductance ranges: 2 μ S – 200nS

421542: 3 1/2-Digit

- DC/AC current ranges: 200 μ A – 2A
- AC voltage ranges: 200mV – 750V
- Resistance ranges: 200 Ω – 20M Ω
- Conductance ranges: 2mS – 200nS
- Frequency ranges: 20Hz – 50kHz

♣ Refurbished = Backed by Jameco

Part No.	Product No.	Price
160830	8010A♣	\$199.95
203801	8012A♣	199.95
421542	8050A♣	219.95

Handheld 5MHz Digital Oscilloscope with true-RMS Multimeter

- 5MHz bandwidth
- Record length: 512 single shot, 256 all other functions
- Sample mode: single shot, roll, normal
- Vertical sensitivity: 50mV max.
- Input volt.: 600VDC or AC_{RMS} max.
- Trigger modes: auto, normal, single
- Trigger source: channel A, channel B, external
- Trigger coupling: AC, DC
- Timebase: 1 μ S to 5S
- Input impedance: 1M Ω
- Sampling time: 25MS/s dual ch.; 50MS/s single ch.
- 132 x 128 pixel super-twist two level backlit display
- Data hold and low battery indications
- RS-232 PC interface and software for transferring waveforms and data
- Resolution: 100 μ V max.
- DC voltage ranges: 0.001V to 1000V
- AC (TRMS) voltage ranges: 0.001V to 750V
- Resistance ranges: 1 Ω to 5M Ω
- Frequency ranges: 0.01Hz to 10MHz
- RPM ranges: 240 to 60,000 RPMs
- Size: 3.5"W x 1.8"D x 7.7"H

EXTECH INSTRUMENTS



Includes: Test leads, alligator clips, Ni-MH battery pack, AC adapter/charger, RS-232 cable, holster and carrying case

Part No.	Product No.	1	5
645651	381295	\$449.95	\$427.45

20MHz Handheld Oscilloscope with Digital Multimeter

- 20MHz analog bandwidth w/ 2 vertical inputs
- Sensitivity: 5mV to 100V/div (in 1,2,5 sequence)
- 8-bit resolution
- Input impedance: 1M Ω \pm 1%; 20pF \pm 1.3pF
- Probe attenuation: x1 and x10
- Horizontal sweep rate: 50ns/div to 50s/div
- Acquisition system: sample, peak detect, envelope, average
- Waveform interpolation: dot, linear, sine, and pulse
- Trigger sensitivity: 0.5V/div (DC to 5MHz)
- Trigger type: edge, pulse width, video
- Coupling: AC/DC, HF-reject, LF-reject, noise reject
- DC voltage range: 600mV to 1000V
- AC voltage range: 6V to 600V
- Resistance range: 600 Ω to 60M Ω
- Capacitance range: 60nF to 300 μ F
- Diode, continuity, high current and temperature test
- Size: 8.3"H x 4.2"W x 2.2"D
- Power requirements: 9VDC @ 1A power supply or 7.2V NiMH battery pack



Protek

Part No.	Product No.	Price
1918999	Protek 820	\$1,179.95

EZ DIGITAL 20,000-Count True-RMS Benchtop Multimeter

- 4 $\frac{1}{2}$ -digit green LCD
- DC accuracy: 0.05%
- Full overload protection
- Resolution: 10 μ V max.
- DC voltage ranges: 200mV – 1000V
- AC voltage ranges: 200mV – 750V
- DC/AC current ranges: 2mA – 10A
- Resistance ranges: 200 Ω – 20M Ω
- Frequency measurement up to 200kHz
- Data hold, diode check, transistor h_{FE} measurement
- Continuity check with beeper
- Size: 9.9"L x 9.8"W x 3.6"H
- One-year manufacturer's warranty
- Weight: 6.1 lbs.



♣ Blue Part No. = Limited Quantity Available

Part No.	Product No.	1	10	25
132564	DM441♣	\$255.55	\$242.77	\$230.63

20MHz Industrial Scopemeter®

Digital Scope, 15-Function Digital Multimeter & Recorder

The Fluke 123 is the ideal choice for troubleshooting industrial machinery, instrumentation, control and power systems. It automatically recognizes signal patterns and sets up correct triggering, timing, and amplitude for stable displays.

♣ Refurbished = Backed by Jameco



FLUKE.

Part No.	Description	Price
162747	Fluke 123-003 w/o software ♣	\$995.05

2MHz Panel Mount Oscilloscope

This compact scope at only 1.4" deep is perfect for continuous monitoring and system analysis.



velleman

- High contrast LCD display with backlight, 128 x 64 pixels
- Maximum sample rate: 10MHz for repetitive signals (2MHz for single shot events)
- Maximum input amplifier bandwidth: 2MHz
- Input impedance: 1M Ω /20pF
- Maximum input voltage: 100Vpeak (AC+DC); 200Vp-p (AC only)
- Input coupling: DC, AC, and GROUND
- Vertical resolution: 8-bit
- Trigger modes: Run, normal, roll mode for 1s/div and slower time base
- Signal storage: 256 samples max., 125 samples visible
- dBm measurement: -73dB to 40dB*
- dBV measurement: -75dB to 38dB*
- True RMS measurement: 0.1mV to 80V*
- Peak to peak AC range: 0.1mV to 160V*
- Timebase ranges in 32 steps: 0.2uS to 1 hour/division
- Input sensitivity ranges in 12 steps: 5mV to 20V/division @ x1; 50mV to 200V/division @ x10
- Input voltage: 6VAC or 9VDC@300mA
- Size: 6.5"W x 3.5"H x 1.4"D
- Weight: 1.0 lb.

Totally Unique

Part No.	Product No.	1	5
645280	VPS10	\$189.99	\$184.99

*Increased performance with x10 probe

20MHz 2-Channel Digital Oscilloscope

- 3.8" (97mm) color LCD display
- Auto-set function optimizes the position, range, timebase, and triggering to assure a stable display of virtually any waveform
- Peak detect function for 50ns glitch capture XY mode
- Five automatic measurements: frequency, cycle, average, peak to peak, and RMS
- Waveform math: add, subtract, multiply, and divide
- Store and recall up to 4 waveform screens for transferring waveforms and data
- USB interface and software for transferring waveforms and data
- 100MS/s real time sample rate
- Vertical sensitivity: 5mV to 5V/div
- 50ns to 5ns/div time base range
- 8-bits vertical resolution
- 6k points per channel
- Input impedance: 1M/20pF
- 17.5ns risetime
- 6 hours Li-ion rechargeable battery with AC charger
- Size: 7"H x 4.4"W x 1.6"D
- True RMS Multimeter functions and ranges:
 - AC/DC voltage range: 400mV, 4V, 40V, 400V
 - AC/DC current range: 40mA, 400mA, 20A
 - Resistance range: 400 Ω , 4k Ω , 400k Ω , 40M Ω
 - Capacitance range: 51.2nF to 100uF
 - Diode and continuity test

NEW MARKED IN PINK



Part No.	Product No.	1	5
1939677	MS400	\$899.99	\$854.95

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business-day shipment.

Additional Oscilloscopes are available online at www.Jameco.com/Test

2-Channel USB PC Oscilloscope

The PCSU1000 digital storage oscilloscope uses the power of your PC to visualize electrical signals. Its highly sensitive display resolution, down to 0.15mV, combined with a high bandwidth and a sampling frequency of up to 1GHz give this unit all the power you need.

Oscilloscope:

- Input range: 5mV to 2V/division
- Time base: 20ns to 100ms per division
- Trigger source: CH1, CH2, EXT or free run
- Real time sampling frequency: 1.25kHz to 50MHz
- Sampling frequency for repetitive signals: 1GHz

Spectrum analyzer:

- Frequency range: 1.2kHz to 25MHz
- FFT resolution: 2048 lines
- FFT input channel: CH1 or CH2

Transient recorder:

- Timescale: 20ms/Div to 2000s/Div
- Max record time: 9.4 hour/screen
- Min./Max. number of samples: 20/s; 100/s

System requirements: IBM compatible PC, Windows® 98SE or later, SVGA display card, USB port

Includes: PC oscilloscope, 2 x 60MHz scope probes, USB cable and CD-ROM

Part No.	Description	1	5
695017	PCSU1000	\$487.89	\$439.35

50MHz Digital PC-Based Oscilloscope, Spectrum Analyzer and Transient Recorder

- Sampling frequency: 1.25kHz–50MHz real-time; 1GHz repetitive
- Input impedance: 1MΩ/30pF
- Parallel port interface
- Inputs: 2 channels, 1 external trigger input
- Max. input voltage: 100V AC/DC
- Power required: 9V to 10V @ 1000mA (recommend P/N 364576, pg 131)

Oscilloscope:

- Time base: 20ns–100ms per division
- Input sensitivity: 5mV–15V per division with auto step-function
- Recording length: 4096 samples per channel

Spectrum Analyzer: Frequency range: 0 to 25MHz

Transient Recorder:

- Time scale: 20ms/div–2000s/div
- Max. recording time: 9.4 hours/screen
- Max. number of samples: 100/s

System requirements: IBM compatible PC, Windows® 95/98/ME, SVGA card, mouse, printer port, CD-ROM

Includes: 2 Test leads, parallel cable and CD-ROM

Part No.	Product No.	1	5
200184	PCS500AU	\$454.99	\$408.45

Pomona 100MHz Probe Set

- Complete accessory kit included
- Attenuation: x1/x10
- Bandwidth: 15/100MHz (–3dB)
- Rise time: 23.33/3.5ns
- Input resistance: 1/10MΩ
- Capacitance: 64/10.5pF
- Compensation range: 10–60pF • 48" cable

Part No.	Product No.	Description	1	10
156451	4550B	Probe kit	\$52.45	\$50.38

PROBE MASTER Oscilloscope Probes

Designed for use with Tektronix and Hewlett Packard oscilloscopes.

- 3 position switch: x1, ref, x10
- Bandwidth @ 3dB: 10MHz (x1); 150MHz (x10)
- Loading: 57pF, 1MΩ (x1); 15pF, 10MΩ (x10)
- Low-resistance gold contacts
- Cord length: 5'

174473: 7-piece kit

212257: 25-piece kit

Part No.	Product No.	1	10
174473	4901-02 (150MHz)	\$44.05	\$42.62
212257	4915A (250MHz)	\$159.05	\$151.12

Modular Oscilloscope Probes



- Hook and pointed probes
- **216047/236777:** with IC test ground cover and spring ground contact
- Length: 5' • Maximum input voltage: 600V
- Alligator clip ground wire • BNC male connector

Part No.	Bandwidth (±3dB)		Impedance (R/C) *	
	Attenuation		Attenuation	
	x1	x10	x1	x10
22892	6MHz	60MHz	1MΩ/180pF	10MΩ/22pF
216047	6MHz	100MHz	1MΩ/47pF	10MΩ/16pF
236777	6MHz	250MHz	1MΩ/47pF	10MΩ/14pF

* with 20pF oscilloscope input

Part No.	Cross Ref. No.	1	10	50
22892	LF101E	\$29.95	\$26.96	\$24.26
216047	HF-9100	\$34.95	\$29.95	\$26.95
236777	HP-9250	\$45.95	\$43.39	\$37.25

20MHz 2-Channel Analog Oscilloscope

- 6" rectangular screen with internal graticule and scale
- Vertical deflection: 1mV/div to 1V/div (5MHz, 3dB) x 5 gain selected
- Horizontal deflection: 0.1μs/div to 2.0s/div in 1-2-5 sequence, 23 steps
- Max. input voltage: 400V (DC + AC peak)
- Input voltage: 115/230VAC w/ line voltage selector
- ADD function measures sum of two signals
- Size: 12.8"W x 15.7"D x 5.2"H • Weight: 16.8 lbs.

Includes: Two (X1/X10) test probes, power cord & manual

Part No.	Product No.	1	5
685311	SK0200	\$399.95	\$379.95

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

20MHz Dual Trace Oscilloscope with Alt-Mag

- 3.15" x 3.94" CRT with internal graticule and scale
- Vertical amplifier: 5m/DIV to 5V/DIV in 10 steps (1-2-5 sequence)
- Horizontal sweep: 200ns/Div to 0.5s/Div in 20 steps (1-2-5 sequence)
- External trigger input: impedance – 1MΩ ±5% + 20pF capacitance; maximum input voltage – 160V (DC or AC peak)
- Z axis modulation: 5Vp-p sensitivity; maximum input voltage – 50V or ACp-p
- Input voltage: 120VAC or 220VAC @ 50/60Hz
- Size: 12.5"W x 15.75"D x 5.1"H
- Weight: 16 lbs.

Part No.	Prod. No.	1	5
1536801	PROTEK 6020	\$511.35	\$485.77

30MHz Dual Trace Oscilloscope w/ LCR Component Tester

- 3.15" x 3.94" CRT with graticule and scale
- Vertical amplifier: 5mV/DIV to 20V/DIV in 12 steps (1-2-5 sequence)
- Horizontal sweep: 100ns/DIV to 0.2s/DIV in 20 steps (1-2-5 sequence)
- Triggering: external trigger input – 1MΩ ±5% impedance; maximum input voltage – 4-p)
- Input voltage: 120VAC or 220VAC @ 50/60Hz
- Size: 12.2"W x 16.45"D x 5.1"H
- Weight: 14.3 lbs.

Part No.	Product No.	1	5
1536819	PROTEK 6030	\$531.45	\$504.84

40MHz Multifunction Oscilloscopes w/ Built-In 5MHz Function Generator



Part No.	Product No.	1	5
1536886	SK0404	\$529.95	\$499.95
1586200	SK0409	\$789.95	\$709.95

Oscilloscope:

- 6" rectangle high resolution CRT
- Max signal input volt.: 400V (DC and AC peak)
- Input voltage: 100/120/220/240VAC @ 50-60Hz
- Size: 15.7"L x 12.8"W x 5.2"H • Weight: 26 lbs.
- Two-year manufacturer's warranty

1586200: w/ built-in 60MHz auto-detect counter

Function generator:

- Frequency range: 0.5Hz to 5MHz (6 ranges)
- Output waveforms: sine, triangle, square
- Output impedance: 50Ω
- Output volt.: 20Vp-p (no load), 10Vp-p (w/50Ω load)

Part No.	Product No.	1	10
1536886	SK0404	\$529.95	\$499.95
1586200	SK0409	\$789.95	\$709.95

Probes, Frequency Counters & Function Generators

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
JAMECO HOUSE BRANDS
FACTORY OVERRUN

Additional Frequency Counters & Function Generators are available online at www.Jameco.com/Test

inSTEK 150MHz 2-Channel Digital Oscilloscopes

Color and Monochrome with RS-232/USB/Parallel Interfaces

- Bandwidth (-3dB): 150MHz
- 15 memory settings
- Real-time sample rate: 100MS/s max. on each channel; equivalent: 25GS/s
- Record length: 125k/CH
- 2 channels with 8-bit vertical resolution
- Auto set vertical, horizontal, and trigger level
- Vertical sensitivity: 2mV/div – 5V/div
- Time base range: 1ns/div – 10s/div
- Trigger sensitivity: DC – 25MHz: 0.35div or 3.5mV; 25MHz – 150MHz: 1.5div or 10mV
- Input voltage: 100-240VAC @ 50-60Hz
- Frequency counter: 6 digits ± 50 ppm; AC coupled, 10Hz – 150MHz
- Size: 12.2"W x 10.0"D x 5.6"H • Weight: 9.3 lbs.
- Two-year warranty



229366

229358: Monoch. w/ RS-232/USB/parallel interface
229366: Color with RS-232/USB/parallel interface

Includes: BNC cable, power cord & operations manual

Part No.	Product No.	1	5
229358	GDS-820S	\$1,196.95	\$1,134.10
229366	GDS-820C	1,439.95	1,367.95

Wire Tracer/Tone Generator Kit

- Typical applications: identifies wire pairs, trace LAN and telephone cables, check continuity, test telephone polarity, F type connector for testing 75 Ω coaxial video cables
- Transmitter with output cables terminated in modular RJ11 and RJ45 phone connectors
- Injects traceable signal into cables, checks telephone lines, and performs continuity checks
- Adjustable sensitivity control improves wire identification and eliminates false detection
- Non-contact probe audibly identifies selected wire/cable
- Traces wires from source to termination
- Size: Probe – 5.8"L x 1.1"W x 1.1"D; Generator – 4.1"L x 2.6"W x 0.9"D



EXTECH INSTRUMENTS

Includes: Tone probe and tone generator with RJ11 and RJ45 connectors, adaptor with F type coaxial connector, alligator clips, 4 LR44 batteries, 9V battery and carrying case

Part No.	Product No.	Price
692511	TG30	\$49.95

17MHz Logic Probe

- Max input freq.: 17MHz
- Minimum pulse width: 30ns
- Pulse flash time: 500ms
- Audible tones for high and low
- Input impedance: 1M Ω
- Power supply protection: ± 20 V
- TTL threshold: Lo = 0.8V \pm 0.2V, Hi = 2.3V \pm 0.2V
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC
- Size: 7.7"L x 1.0"W x 0.6"H



Part No.	Description	1	10	25
149930	Logic probe	\$37.55	\$33.85	\$30.35

Logic Pulser

- Compatible with TTL, DTL and CMOS ICs
- Pulse repetition rate: 0.5pps/400pps
- 1M Ω sync input impedance
- Pulse width output at 100mA load: 10 μ s
- Pulse mode output current: 10mA
- Square wave current output: 5mA
- "One shot" or continuous 5Hz pulse train
- Size: 7.8"L x 1.0"W x 0.6"H



QUANTITY SAVE

Part No.	Description	1	10	25
24601	Logic pulser	\$29.19	\$24.81	\$18.61

100MHz Logic Analyzer USB Interface

DigiView™ is a 18-channel, 100MHz logic analyzer with professional quality and high portability. DigiView™ uses a deep-capture buffer and real time hardware compression to achieve long period captures without reducing resolution.



- 18-channels, 100MHz
- USB interface and power source for portability
- Real time hardware compression
- Compression ratio up to 256,000:1
- Trigger on rising, falling, or transition of any channel
- Pre-trigger and post-trigger data capture
- Captures up to 5 minutes of data @ 10ns resolution

Part No.	Description	1	5
256866	USB logic analyzer	\$498.95	\$474.09

1.5GHz Frequency Counter

2 Channels

- Input voltage: 115/230VAC @ 50-60Hz (switchable)
- Gate time: 0.01s, 0.1s, 1s, 10s
- 9-digit green LED display
- Frequency range: 0.1Hz to 150MHz (A input); 50MHz to 1.5GHz (B input)
- Resolution: 0.1nHz to 10Hz (A input); 0.1Hz to 100kHz (B input)
- Frequency, period, totalize, RPM
- Size: 10.3"L x 10.0"W x 3.2"H
- Weight: 5.3 lbs. • One-year warranty



EZ DIGITAL

Includes: Fuse, manual and BNC cable

Part No.	Product No.	1	5
55790	FC-7150	\$284.95	\$259.95

We're Listening to Your Requests

Email us 24/7 at
NewProducts@Jameco.com
with suggestions for products you'd like to see in future catalogs.

2MHz & 3MHz Function Generators w/ Frequency Counter

Function Generator

- Waveforms: sine, triangle, square, TTL, and CMOS output; 229260 has ramp
- Frequency ranges: **229251:** 0.2Hz – 2MHz in 7 ranges; **229260:** 0.3Hz – 3MHz in 7 ranges
- Output amplitude: >10Vp-p into 50 Ω load
- Output impedance: 50 Ω \pm 10%
- DC offset range: <-5V to >+5V into 50 Ω load
- Voltage controlled frequency function
- Variable DC offset control



229251

inSTEK



229260

Frequency Counter

- Input voltage: 115/230VAC @ 50-60Hz
- Weight: 4.4 lbs.
- Two-year warranty
- 229251:** • 4-digit LCD display
- Ranges: 0.2Hz to 2MHz internal only; with resolution of 0.1Hz to 1kHz
- Size: 9.1"W x 11.0"D x 3.7"H
- 229260:** • 6-digit LCD display
- Ranges: INT/EXT switch, 0.3Hz to 3MHz internal and 5Hz to 150MHz external; resolution of 10nHz to 0.1Hz
- Size: 9.9"W x 11.5"D x 3.6"H

Includes: Power cord, operations manual and leads

Part No.	Product No.	Description	1	5
229251	GFG-8020H	2MHz	\$259.95	\$246.95
229260	GFG-8216A	3MHz	279.95	251.99

10MHz Sweep Function Generator w/ Frequency Counter

Function Generator METEX®

- Wave forms: sine, square, triangle, skewed, ramp, pulse & TTL level square
- Frequency: 1Hz to 10MHz
- Output amplitude: 2 to 20Vpp at open load; 1 to 10Vpp at 50 Ω load
- Output impedance: 50 Ω \pm 10%
- Offset variable range (max.): ± 10 VDC at open load
- Frequency sweep time: 20ms to 2s



Frequency Counter

- Measuring range: channel A: 1Hz to 20MHz; channel B: 20MHz to 2.7GHz
- Input sensitivity: channel A: 20mV_{RMS} sine wave or 100mVp-p; channel B: 40mV_{RMS} for 20MHz to 1.3GHz; 70mV_{RMS} for 1.3GHz to 2.7GHz
- Maximum input voltage: ch. A: 35Vp-p; ch. B: 3Vp-p
- Input impedance: channel A: 1M Ω ; channel B: 50 Ω
- Data logging and graphic software
- Size: 11.0"L x 8.2"W x 3.7"H • Weight: 13.4 lbs.

Includes: Coax and power cable, manual, serial cable and software

Part No.	Description	1	5
221911	10MHz/2.7GHz	\$438.85	\$423.51

Additional Benchtop Power Supplies are available online at www.Jameco.com/Test

3MHz Function Generator with Positive and Negative Pulses

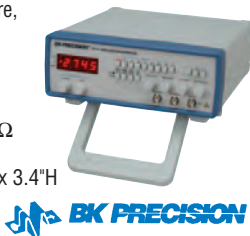
- 6 waveforms: sine, square, triangle, ramp, positive pulse and negative pulse
- Input voltage: 110VAC
- Output impedance: 50Ω ±2%
- Knob selector switches for waveforms and frequency ranges
- Frequency range: 0.5Hz to 3MHz in 6 ranges via rotary switch
- Size: 10.5"W x 11.2"D x 3.9"H
- Weight: 6.6 lbs.



Part No.	Product No.	1	5
685329	SK3000	\$209.79	\$199.35

5MHz Function Generator

- Waveforms: sine, square, triangle and ramp
- 0.5 to 5MHz
- 100% DC offset
- Variable duty cycle
- Output impedance: 50Ω
- Coarse and fine tuning
- Size: 10.4"W x 11.7"D x 3.4"H
- Weight: 6.2 lbs.
- Two-year warranty

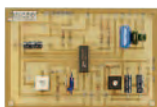


Part No.	Product No.	1	5
160469	BK4011A	\$339.29	\$322.34

JAMECO BenchPro Function Generator Kit Sine, Triangle and Square Wave

Great for prototyping electronic circuits, whether analog or digital! Produces sinusoidal, triangular, and square waveforms at frequencies continuously variable from 1Hz to 100kHz.

- 21-piece kit includes: chip, components, PC board, hardware
- Intermediate Level
- Size: 4.1"L x 1.5"W



JAMECO
EXCLUSIVE

Requires: 12VDC supply or ±6VDC split supply

Part No.	Cross Ref. No.	1	10
20685	JE2206	\$24.95	\$22.95



30-Watt Digital Benchtop Power Supply

- Single output, adjustable from 1.5VDC to 30VDC
- Compact design
- Input voltage: 85-264VAC @ 47-63Hz
- Output terminals
- Large digit backlit display
- Fixed current output
- Overload and short-circuit protection
- Size: 5.5"L x 5.2"W x 1.6"H
- Weight: 1.2 lbs.



Part No.	Product No.	1	10
301971	PSU130	\$88.99	\$85.00

Our enhanced website offers thousands of product cross references.

Find products quickly and order easily!

www.Jameco.com

30 & 54-Watt Digital Benchtop Power Supplies

- Single output
- Adjustable voltage output: 645600 = 0-30V; 681221 = 0-18V
- Adjustable current output: 645600 = 0-1A; 681221=0-3A
- Max. display resolution: 0.1V/10mA
- Color coded banana plug output jacks
- Input voltage: 120VAC @ 60Hz
- Size: 9.4"H x 4.3"W x 6.1"D

EXTECH
INSTRUMENTS



Part No.	Product No.	Wt. (lbs.)	1	5
645600	382200 (30W)	4.4	\$129.95	\$123.95
681221	382202 (54W)	6.6	\$138.95	\$134.95

90-Watt Digital DC Power Supply

30V @ 3A

- Input voltage: 110/220VAC @ 50-60Hz
- Resolution: 1% ±1 digit accuracy
- Constant voltage and current operation
- Size: 5.1"W x 10.1"D x 5.9"H

JAMECO
EXCLUSIVE



Part No.	Description	1	5
489184	DRP-303D	\$189.95	\$179.95

80-Watt Switching Mode DC Power Supply

3-in-1 DC Power Supply

- Input voltage: 90-264VAC @ 47-63Hz
- Constant voltage and current
- Basic accuracy: ±1%
- Ripple and noise: <30mVp-p
- Line regulation: <4mV
- Load regulation: <20mV
- Dual 4-digit LED display
- 3 ranges: 0 - 16.4V @ 0-5.1A; 0 - 27.6V @ 0 - 3.1A; 0 - 36.8V @ 0 - 2.3A
- Remote sensing for accurate applied voltage at load point
- Front and rear output terminals
- Size: 13"H x 5"W x 2.1"D
- Weight: 4.2 lbs.

NEW
MARKED IN PINK



Part No.	Product No.	1	5
1939600	382260	\$239.95	\$229.95

100-Watt Triple Output Digital and Analog DC Power Supplies

30VDC @ 3A

- Triple output with fixed 5VDC @ 0.5A, 12VDC @ 0.5A
- Adjustable 0 - 30V voltage and 0 - 3A current outputs
- Constant voltage or current
- Current limiting indicator
- Displays of both voltage and current
- Overload and short-circuit protection
- Binding post terminals for variable supply
- Input voltage: 110/220VAC @ 50-60Hz (switchable)
- Size: 9.5"L x 6.0"W x 5.6"H
- Weight: 10.0 lbs.

197991

EXTECH
INSTRUMENTS



Part No.	Description	1	10
197991	Digital DC	\$197.99	\$186.19
197982	Analog DC	168.95	126.71

Quad Output DC Power Supply 4-in-1 Power Supply

- 4 power supplies built into 1 - two fully adjustable power supplies combined with two auxiliary outputs
- Two 0 - 30V @ 0 - 5A outputs with selectable constant voltage and constant current modes
- 3 to 6.5V @ 3A fixed; 8 to 15V @ 1A fixed
- Output up to 60V in series mode; 10A in parallel mode
- Overload and short-circuit protection
- Load/line voltage regulation: <2 x 10⁻⁴ + 3mV
- Load/line current regulation: <2 x 10⁻⁴ + 3mV
- Ripple and noise: <0.5mV/rms
- Input voltage: 100 to 240VAC @ 50/60Hz
- Size: 6.3"H x 10.2"W x 14.5"D
- Weight: 26.5 lbs.



EXTECH
INSTRUMENTS

NEW
MARKED IN PINK

Part No.	Product No.	1	5
1939618	382270	\$449.95	\$427.45

200W Programmable Switching Power Supplies with PC Interface

- Voltage regulation: 10mV load; ≤0.05% line
- Current regulation: 5mA load; ≤0.05% line
- Output ON/OFF control
- Ripple: ≤20mV_{RMS}; ≤10mA_{RMS}
- Overvoltage/overcurrent/overpower/overtemperature protection
- Standard RS-232C 9-pin female interface
- Input voltage: 115/230VAC @ 50-60Hz
- Size: 8.9"W x 12.0"D x 3.9"H
- Weight: 8.8 lbs.
- Two-year warranty



INSTEK

Includes: Power cord, operations manual & test leads

Part No.	Product No.	Description	1	5
229323	PSP-2010	0-20V @ 0-10A	\$349.95	\$332.45

900W Output Switching Mode DC Power Supply

Remote Control Operation

- Constant voltage and current with high load/line regulation and low noise/ripple
- Ripple and noise: <5mVrms
- 10-turn potentiometers provide precise output voltage and current control
- Remote sensing for applications that require precise voltage at the point of application
- Overload, overtemperature and short-circuit protection
- Output voltage and current: 1 - 30VDC @ 1 to 30A
- Load voltage/load current regulation: 0.1%/0.2%
- Input power: 100 to 240VAC @ 50-60Hz
- Dual 4-digit LED displays
- Basic accuracy: ±0.5%
- Size: 13.4"W x 3.8"H x 9.3"D
- Weight: 13.2 lbs.



NEW
MARKED IN PINK

Part No.	Product No.	1	5
1939626	382290	\$795.95	\$755.95

ATX Power Supply Tester

- LED indicators for ATX power supply outputs to indicate pass or fail
- Tests +3.3V, +5V, +12V, +5VSB, -5V, -12V and PG outputs
- 20-pin ATX connector on one side of the tester
- 4-pin HDD connector, floppy drive connector, and P4 connector on the other side of the tester
- Size: 3.4"L x 2.5"W x 0.7" thick

NEW
MARKED IN PINK



Part No.	Description	1	10
1928450	ATX power tester	\$17.49	\$16.10

Benchtop Power Supplies & Environmental Meters

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC & NON-FRANCHISED
HOUSE BRANDS
FACTORY OVERRUN

Additional Benchtop Power Supplies are available online at www.Jameco.com/Test



45W to 600W Benchtop Power Supplies

- Voltage and current adjustable
- Current restricted and short-circuit protection
- Input voltage: 115/230 \pm 10% VAC

Analog display power supplies

- Accuracy: 2.5%
- Digital display power supplies**
- Voltage accuracy: 1% + 2 digits
- Current accuracy: 1.5% + 2 digits

QUANTITY
SAVE



301920



207618



207706



211693

Single Output

Part No.	Product No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
301920	HY1503C	2-Analog	45	15/3	3.8 x 6.3 x 9.1	9	\$119.95	\$89.96
301866	HY3003D	2-Digital LCD	90	30/3	5.4 x 6.2 x 11.5	10	179.95	134.96
207618	HY3005C	2-Analog	150	30/5	5.4 x 6.2 x 11.5	14	169.55	161.07
207626	HY3010C	2-Analog	300	30/10	10.4 x 6.5 x 14.4	31	359.95	269.96
207694	HY5002	2-Digital LED	100	50/2	5.4 x 6.2 x 11.5	13	208.95	156.71
207706	HY5003	2-Digital LED	150	50/3	5.4 x 6.2 x 11.5	13	267.45	224.00
207600	HY5005	2-Digital LED	250	50/5	10.4 x 6.5 x 14.4	17	339.95	322.94
207635	HY3010	2-Digital LED	300	30/10	10.4 x 6.5 x 14.4	31	439.95	335.50
207686	HY3020	2-Digital LED	600	30/20	10.4 x 6.5 x 14.4	42	555.35	499.82

Multiple Output

Part No.	Product No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
211722	HY3002-2	2-Digital LED	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	\$239.95	\$202.46
211705	HY3002D-2	4-Digital LCD	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	269.95	202.46
211693	HY3003D-2	4-Digital LCD	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	318.95	285.95
211730	HY3003-2	2-Digital LED	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	299.95	247.39
211713	HY3003-3	2-Digital LED	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	319.95	239.96
211684	HY3003D-3	4-Digital LCD	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	329.95	296.95
301947	HY3005D	4-Digital LCD	300	0-30/5; 0-30/5	10.4 x 6.5 x 14.4	26.5	384.95	365.70
301955	HY3005D-3	4-Digital LCD	315	0-30/5; 0-30/5; 5/3	10.4 x 6.5 x 14.4	29	406.95	386.60
301962	HY5003-2	2-Digital LED	300	0-50/3; 0-50/3	10.4 x 6.5 x 14.4	26	339.95	254.96

150-Watt Power Supply

50VDC @ 3A

- Adjustable voltage/current outputs
- Constant voltage & current operation
- Input voltage: 110VAC @ 60Hz
- 3A @ 115V fuse
- Color-coded terminals for ground, positive and negative terminals
- Color-coded adjustment knobs for voltage, current and fine adjustment
- One-year warranty

Part No.	Description	Color	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
163723	50VDC @ 3A	Dark gray	9.0 x 4.75 x 7.5	12.3	\$146.85	\$139.49	\$132.49



150 to 250-Watt Analog Power Supplies

- Color-coded adjustment knob and output terminals for voltage
- Built-in fan
- Voltage and current panel meter
- Constant voltage and current operation

175265: 15VDC @ 10A, 150-Watt

- Output current: 15A max.
- Input voltage: 110VAC @ 60Hz
- Overvoltage, overcurrent, short-circuit protection
- Cigarette lighter plug for current output
- LED indicator for power and warning



175265



175257



175249

175257: 15VDC @ 15A, 225-Watt

- Output current: 25A max. (22A continuous @ 13.8VDC)
- Overvoltage protection @ 16.5V
- Input voltage: 110VAC/220VAC @ 47-63Hz (switchable)
- Short-circuit protection @ 27.5A
- LED indicator for power and warning
- Cigarette lighter plug for current output

175249: 50VDC @ 5A, 250-Watt

- 5A @ 250V fuse
- Input voltage: 110VAC @ 50-60Hz
- Isolated ground

Part No.	Cross Ref. No.	Output Voltage	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
175265	DPS150A	2-15VDC	5.7 x 6.2 x 4.0	12.0	\$163.45	\$147.10	\$141.65
175257	SPS250A	9-15VDC	5.6 x 6.2 x 4.0	3.8	151.59	139.53	130.06
175249	DPS5050	0-50VDC	4.9 x 7.7 x 6.7	13.8	195.65	185.35	176.64

Digital Light Meter

- Measures in Lux and footcandle ranges
- Range: Lux - 0 - 50,000 Lux (3 ranges); footcandle - 0 - 5,000 Fc (3 ranges)
- Analog output connectors for external recording
- Separate light sensor for optimum location sampling
- Dimensions (sensor probe): 3.2"L x 2.2"W x 0.5"H
- Weight: 0.9 lbs.
- One-year warranty



Part No.	Description	1	10
131764	Digital light meter	\$99.95	\$89.95

Combination Tachometer + IR Thermometer

Photo/Contact Tachometer includes a non-contact IR thermometer for surface temperature measurement.

- Built-in IR thermometer with laser measures remote surface temperature
- Temp. range: -4°F to 600°F (-20°C to 315°C)
- Fixed 0.95 emissivity, 6:1 distance to target ratio
- Provides wide RPM (photo and contact) and linear surface speed (contact) measurements
- Large 0.4" (99,999 count) LCD display
- Non-contact photo tachometer uses a laser for greater measuring distance up to 6.5ft.
- Memory stores min/max/last
- Characters on display reverse direction depending on mode
- RPM range: 10 to 99,999 (photo)/0.5 to 20,000 (contact) with basic accuracy of \pm 0.5% of reading
- Size: 8.5"L x 2.6"W x 1.6"D



Includes: Tips/wheels, four 1.5V AA batteries, reflective tape, and carrying case

Part No.	Product No.	1	5
1939731	RPM10	\$299.95	\$284.95

Hygro-Thermometer

Simultaneous display of temperature & humidity

- Attractive design for desktop or wall mounting
- Large LCD display of temperature and humidity
- Max/Min memory with reset
- Dual indoor/outdoor displays
- Switchable °C or °F temperature units
- Remote outside sensor on 35" cable
- Humidity range: 0 - 99% RH w/ basic accuracy of \pm 5%
- Temperature range: 14°F to 140°F (-10°C to 60°C) with basic accuracy of \pm 1.8°F/1°C
- Size: 4.3"W x 3.9"W x 0.8"Thick



Part No.	Product No.	1	5
1939634	445713	\$39.95	\$37.95

Mini IR Thermometer

- Economical mini-size design for convenience
- Field of view: 1:1
- Temperature range: -31°F to 446°F (-35°C to 230°C)
- Maximum resolution: 0.1°F/°C
- Fixed emissivity covers 90% of surface applications
- Size: 3.0"L x 1.6"W x 0.7"D



Part No.	Product No.	1	5
1537299	IR100	\$29.25	\$28.49

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Environmental Meters are available online at www.Jameco.com/Test



Pocket IR Thermometer with Laser Pointer

The pocket IR thermometer measures the surface temperature of objects which are difficult to reach or unsafe to contact. It also measures hot spots in electrical panels and equipment.

- Temperature range: -58°F to 518°F (-50°C to 270°C)
- Built-in laser pointer to improve aim
- Fixed emissivity (0.95) covers 90% of surface applications
- Visual overrange indicator
- °F/C switchable
- Size: 3.8"L x 2.0"W x 0.9"D

- 6:1 field of view
- Data hold/max hold

Includes: 2 AA batteries

Part No.	Description	1	5
219361	Pocket IR thermometer	\$59.95	\$56.99



Best Seller!



Infrared Thermometer

The Fluke 65 provides quick non-contact temperature measurement in a compact case surrounded with a protective holster. The ideal tool for measuring surface temperatures of rotating, hard-to-reach, electrically live, or dangerously hot targets.

- Large dual display LCD display
- Laser beam provides easy targeting
- Store and recall any single temp.
- Temp. range: -40° to 500°C
- Resolution: 0.1° up to 200°, 1° over 200°
- Optical resolution: 8:1 distance to spot size ratio

Includes: Soft carrying case, batteries & instructions

Part No.	Product No.	Price
164321	Fluke 65	\$249.95



Digital Psychrometer

- Simultaneous display of % RH, temp. and dew point or wet bulb or probe temp.
- Temp. ranges: (internal) -4°F to 122°F (-20°C to 50°C); (external) -4°F to 158°F (-20°C to 70°C)
- Temp. ranges: -90.4°F to 122°F (-68°C to 49.9°C)
- Wet bulb measurement without slinging
- Calculates T1-T2 differential (air temp. minus external probe temp. using optional probe, P/N 1581151, see web)
- Switchable °F/°C temp. reading
- Size: 7.0"L x 1.9"W x 1.0"D

Part No.	Product No.	1	10
1581142	RH300	\$89.95	\$86.59



Combustible Gas Leak Detector

- Detects combustible gas – liquefied natural gas (LNG) and liquefied propane gas (LPG) 500-6500ppm
- Highly sensitive detection circuitry
- Audible and visual alarm
- LED indicators for gas leakage & static absorption
- Size: 6.5"L x 0.8"Dia.

Includes: 2 AAA batteries

Part No.	Product No.	1	10
1581169	FG100	\$59.95	\$56.95



Carbon Monoxide (CO) Meter

Air safety checks in industrial environments

- Ergonomic pocket size housing
- One button operation
- Easy to read 1999 count backlit display
- CO level reading range: 0 to 1000ppm with resolution of 1ppm
- Accuracy: 5% or ±10ppm
- Audible alarm starting at 35ppm with continuous beeping when above 200ppm
- Max hold and data buttons
- Auto power off
- Size: 6.3"H x 2.2"W x 1.6"Thick

Applications: Ambient air safety checks on residential appliances, HVAC service on furnaces and hot water heaters, home inspections, industrial environments where accumulation of CO is possible

Includes: 9V battery, protective rubber holster and carrying case

Part No.	Product No.	1	5
1940248	CO10	\$229.95	\$219.95



RF EMF Strength Meter

- High frequency measurement for EMF
- For electromagnetic field strength measurement including mobile phones, cell phones, base stations, and microwave leakage
- Non-directional (isotropic) measurement with 3-channel (triaxial) measurement probe
- Max. hold and average functions
- Manual store/recall up to 99 sets
- Level exceed audible alarm with user selectable threshold
- Sensor type: electric field
- Frequency range: 50MHz to 3.5GHz
- Units of measure: mV/m, V/m, uA/m, uW/m², mW/m², W/m², uW/cm², mW/cm²
- Measuring ranges: 20mV/m to 108V/m; 53uA/m to 286.4mA/m; 1uW/m² to 30.93W/m²; 0uW/cm² to 3.093uW/cm²
- Adjustable threshold with On/Off for audible alarm
- Size: 9.3"L x 2.4"W x 2.4"Thick

Part No.	Product No.	1	5
1939642	480836	\$229.95	\$219.95



Pen DMM with Non-Contact Voltage Detector

- Large 2,000 count LCD display
- Non-contact volt detection w/ visible & audible alarm
- Overload & low battery indication
- Non-contact voltage range: 50VAC to 600VAC
- DC voltage ranges: 200mV to 600V with 0.1mV res.
- AC voltage ranges: 200mV to 600V with 0.1mV res.
- Resistance ranges: 200Ω to 20MΩ with 0.1Ω resolution
- Diode & continuity test
- Size: 8.2"L x 1.5"W x 1.1"D • Weight: 0.3 lbs.

Includes: Test leads with alligator clips, two 1.5V AAA batteries, and carrying case

Part No.	Product No.	1	5
1537184	381676	\$38.99	\$37.99

We're committed to providing you with the best service in the industry.



Home Inspector Kit

Specifically designed for home inspection professionals – aids in identification of moisture, HVAC, electrical and hot water system issues. This entire kit comes in an attractive storage case that provides protection and organization for the testers whenever they are needed.

Kit includes the following equipments:

MO280 Pinless Moisture Meter

- Select from 10 different wood types
- Displays %moisture from 0 to 9%
- Measurement depth to 0.75" (22mm) below the surface

42500 Mini IR Thermometer

- Ideal for testing HVAC supply and return applications
- Measures from -4°F to 500°F (-20°C to 260°C)
- Built-in laser pointer improves aim and identifies target
- 0.95 fixed emissivity with 6:1 distance to target ratio

ET10 GFCI Receptacle Tester

- Tests for faulty wiring in 3-wire receptacles and GFCI circuits
- Detects 5 wiring faults

39240 Waterproof Stem Thermometer

- Ideal for testing hot water heaters
- Measures from -40°F to 392°F (-40°C to 200°C)
- 2.75" (70mm) stainless steel stem

Part No.	Product No.	1	5
1939669	MO280-KH	\$199.95	\$189.95



Industrial Troubleshooting Kit

Assembled to provide all the electrical testing needs for installation and repair of electrical systems, HVAC equipment, and large appliances. This kit comes with: EX430 true RMS Multimeter with

11 functions (AC/DC voltage and current, resistance, capacitance, frequency, temperature, duty cycle, diode, and continuity); 42510 Mini IR thermometer offers non-contact temperature measurement on surfaces difficult or unsafe to reach (temperature range: -58°F to 1000°F/-50°C to 538°C); MA200 400A AC clamp meter with 6 functions (AC current, AC/DC voltage, resistance, diode, and continuity); 40130 non-contact AC voltage detector measure voltage from 100V to 600V. Kit also includes test leads, K-type thermocouple bead probe, Type K to banana input adapter, multimeter hanging straps, and batteries.

- Size: 9.5"W x 6.8"H x 2.8"D

Part No.	Product No.	1	5
1939749	TK-430-IR	\$189.95	\$179.95



Phone Line Tester

- Loop limit: 2kΩ max. @ 48VDC
- DC resistance (talk mode): 300Ω typical
- Monitor impedance: 39kΩ nominal @ 1kHz
- Monitor amplifier: 9V transistor provides 25 hours continuous use
- Auto power shut-off
- Power source: shared line and battery power (9V)
- Size: 10.3"L x 2.8"W x 3.5"H

Part No.	Product No.	Price
673707	MT-8001	\$199.95



Additional Multimeters are available online at www.Jameco.com/Test

ZapChecker (RF Field Strength Meter)

Detect and measure all those weak radio signals on HF, VHF, UHF or Microwave frequencies. Ideal for discovering wireless bugs and covert cameras, the ZAPCHECKER also works well to help install wireless security systems and wireless computer networks by checking where the strongest signal is. Measure electromagnetic radiation and emissions from microwave ovens, cell phones, wireless phones, and electronic equipment. ZC-300 includes a log periodic antenna for that extra boost in locating and measuring signals and a BNC connector if you choose to use other antennas.



- Sensitivity control: 20dB, (10:1) signal control range
- Detection modes: LINEAR – for far-field detection of weakest signals: 12dB • Sensitivity: 45µV
- Dynamic range: LOG – for near-field localization without overloading: 60dB
- Dynamic range MID – for intermediate detection and localization: 25dB dynamic range
- Analog mode: for detecting and measuring continuously transmitted signals
- Digital mode: for detecting, identifying, and measuring digitally pulsed signals
- Silent vibrator: intensity modulated, switch-enabled vibrator for mid to high level signals
- Analog meter display for visual indication of changes and levels of RF signals
- Approximately 80 hours of battery life (2 x AA bat.)
- LED display indicators • Size: 2.1"W x 1.3"D x 5.0"H

Part No.	Description	Frequency	1	10
667817	ZC-300	1MHz-8GHz	\$398.95	\$370.45

Tone Generator & Amplifier Probe For Tracing Wires & Cables

- Tests wire trace, continuity, clear/busy/ringing line, tip/ring identification
- Insulated inductive probe tip prevents shorting conductors
- Selectable continuous or variable tone generation
- Output jacks for both headphones and handsets



Includes: Alligator test leads, modular phone connector cables, 9V battery, and carrying pouch

Part No.	Description	1	10
198002	Tone gen. & amp. probe	\$78.19	\$74.28

Cable Tester for Network & CATV

- Automatically tests for continuity, miswires, open circuits, short circuits, and reversals
- Test all common data including polarization and wiring configurations of Ethernet (BNC/TNC), token ring, 10-BaseT (UTP/STP), AT & AT258A, TIA568A/B, and modular cables
- Test device used with UTP (unshielded twisted pair) and STP (shielded twisted pair) wiring
- Checks continuity and configuration of wiring with unshielded and shielded modular plugs
- Shield detection tests a cable's shield integrity



Includes: Tester, remote terminator & BNC to F adapter

Part No.	Product No.	1	10
1928468	KT45	\$59.95	\$53.95

Modular Cable Tester

Easily read correct pin configuration of 10baseT, 10base2, RJ45/RJ11 modular cables, 258A, TIA568A/568B, token ring, etc.



- Check for cable continuity, miswiring, open, short, grounding, and pin configurations
- Cable adapters: RJ45 M-M, 2 RJ45M-BNCM & BNC F-F
- On-board conn.: 2 RJ45F (tester) & 1 RJ45F (remote)
- Size: 4.0"L x 2.5"W x 1.0"H (Main console)
- Size: 4.0"L x 1.3"W x 1.0"H (Remote)

Includes: Manual and test cables

Part No.	Description	1	10
145710	Modular cable tester	\$84.95	\$76.49

PC Cable-Check® Pro

This powerful universal cable tester troubleshoots and maps 20 types of computer cables for opens, shorts, crosses, and good connections. PC Cable-Check Pro tests any combination of D-sub 9-pin, D-sub 15-pin, D-sub 25-pin, Centronics 36-pin printer, USB-A and USB-B, Mini USB, PS/2, RJ-11, RJ-45, BNC female-female cables and Firewire.



- Easy to read LED indicators for mapping connections
- Auto power off, auto scan, and manual scan

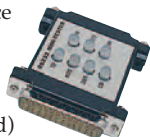
Includes: 9V battery

Part No.	Product No.	Price
652480	1577	\$176.39

Paladin Tools®

RS-232 Mini-Tester w/ Status LEDs

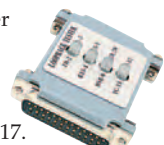
Tests any RS-232 (DB25) interface and helps to identify equipment that has failed. Seven bicolor LEDs indicate the status of TD, RD, RTS, CTS, DSR, CD and DTR. LEDs indicate positive (red) and negative (green). No extra power is required. Connectors: male to female DB25.



Part No.	Description	1	10	100
26729	Mini-tester	\$11.95	\$10.76	\$9.68

RS-232 Loopback Tester

The tester acts as a data verifier by sending data back to the transmission device. Used for diagnostic testing of RS-232 circuits. 4 LEDs monitor lines 2 to 3, 4 to 5, 6 to 20, and 15 to 17. Connectors: male to female DB25.



Part No.	Description	1	10	100
22728	Loopback tester	\$6.95	\$5.95	\$4.45

RS-232 Line Status Tester

Identifies simple interface problems which you can repair yourself. Targets the status of lines 2, 3, 4, 5, 6, 8, 11, 19, and 20. Connectors: male to female DB25.



Part No.	Description	1	10	100
14285	Check line tester	\$10.75	\$9.71	\$8.70

RS-232 Signal Adapter/Splitter

- Metal connectors: DB25 female and male, and DB9 male
- Gold-plated contacts



Part No.	Description	1	10	100
105196	Serial adapter	\$9.55	\$8.34	\$6.25

Miniature RS-232 Breakout Box for Quick Design Changes

Design new interfaces or modify old ones quickly and easily. Completely self-contained. Connectors: male to female DB25.



Includes: 25 each 22 AWG wire jumpers and machine tool sockets

Part No.	Description	1	10	100
11181	Breakout box	\$10.75	\$9.14	\$6.86

Flexible Multilink RS-232 Tester & Breakout Box

Visually indicates the status of lines 2, 3, 4, 5, 6, 8, 20, and 22 on the DTE and DCE sides. Provides signal status at a glance. Complete cable "breakout" and reconfiguration. Connectors: DB25 male & DB25 female.



- Cable length: 4" • Size: 3.5"L x 3.3"W x 1.0"H

Includes: Handy carrying case, 10 jumper wires and a device wiring chart

Part No.	Description	1	10	25
25945	Tester/breakout box	\$27.55	\$23.94	\$21.54

Looped Color Coded Test Points

- Phosphor bronze, silver plated wire
- Snap-fit mount
- PBT, UL94V-0



Minimum order 5 pieces

Part No.	Product No.	Color	5	100
1581986	5001	Black	\$1.33	\$1.24

Compact (.350" L, .063" Dia. Mtg. Hole)

Part No.	Product No.	Color	10	100
1582022	5006	Black	\$2.36	\$1.77

Multipurpose (.445" L, .063" Dia. Mtg. Hole)

Part No.	Product No.	Color	10	100
1582065	5012	White	\$1.76	\$1.32

BNC Male w/ Molded Strain Relief to Minigator® Test Clips

- RG 58C/U, .195" O.D.
- Rating: 45 V_{RMS} max., +50°C (+122°F) max.
- Jaws open to .187" max.
- Length: 36"



Part No.	Product No.	1	10
176972	4532-C-36	\$16.95	\$15.26

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Test Accessories are available online at www.Jameco.com/Test

Pomona
ELECTRONICS

BNC to Minigrabber® Test Clips

- RG 174/U, .100" O.D.
- Rating: 300 V_{RMS} max., +50°C (+122°F) max.
- Strain relief: PVC molded directly to connector
- Length: 36"



Part No.	Product No.	1	10
176954	5187-K-36	\$25.25	\$24.02

JAMECO
BenchPro

BNC to Clip Test Cables



BNC connectors are designed for signal frequencies into the gigahertz range, making them ideal for communications, video & test equipment.

- Micro-clip or mini-clip
- Length: 39"

Part No.	Description	1	10	50	100
11422	Micro-clip RG174	\$3.99	\$3.19	\$2.89	\$2.59
11464	Mini-clip RG174	4.39	3.99	3.59	3.19

JAMECO
BenchPro

BNC to Alligator Clip Test Cable

Permits BNC assembly to be used as a test cable.

- Upper connection: two alligator clips – red 5.5" 22AWG wire; black 9" 22AWG wire
- Lower connection: 23" RG/58U cable with BNC connector



Part No.	Description	1	10	100
11384	BNC cable	\$4.05	\$3.44	\$2.61

JAMECO
BenchPro

BNC Female Connector with 20AWG Lead Wires

Solder the 20AWG wires onto your protoboard, plug the BNC female connector into your test equipment and you have an instant testing board for varied applications.

- BNC female connector
- 7" 20AWG lead wires



Part No.	Cross Ref. No.	1	10	100
256831	CBB-069	\$6.69	\$6.08	\$5.58

Pomona
ELECTRONICS

BNC Cables

- RG58 C/U 50Ω cable
- BNC male connectors
- Molded strain relief
- Length: P/N 159871: 36" P/N 159880: 60"



Part No.	Product No.	1	10	25
159871	2249-C-36	\$15.79	\$14.22	\$13.47
159880	2249-C-60	17.79	16.72	16.04

Pomona
ELECTRONICS

11"L Test Lead Holders

- 155985: Max cable dia.: .0450"
- 155977: Max cable dia.: .0320"
- 155969: Max cable dia.: .0210"



Part No.	Prod. No.	Slots	Color	1	10	25
155985	2708B	9	Blue	\$11.29	\$10.30	\$10.23
155978	4408	10	Black	11.49	10.69	9.99
155969	1508	14	Orange	12.95	11.75	10.79

Pomona
ELECTRONICS

Stackable Banana Test Lead Cables



- 5000V @ 15A
- 55°C max.

159899: Two 36" leads, mini clip w/ banana
• 45VAC @ 5A max.; beryllium copper contact and glass filled insulation

159902: Two 24" leads 159919: Two 36" leads

Part No.	Prod. No.	Description	1	10	25
159899	3782-36	Mini w/ banana	\$9.95	\$9.45	\$8.95
159902	B-24-02	Patch cord	9.95	8.95	7.95
159919	B-36-02	Patch cord	10.65	9.58	8.51

JAMECO
BenchPro

Mini-Clip to Banana Test Cables

- Plunger-type action
- Available in black or red
- Positive connection that won't disconnect from components
- Banana plug connection on opposite end
- 20 AWG insulated wire
- Length: 3.5'



Part No.	Description	1	10	100
21857	Black test cable	\$3.95	\$3.55	\$2.99
21865	Red test cable	3.95	3.49	2.99

JAMECO
BenchPro

Banana-to-Banana Test Leads

- Stackable
- Color coded; 2 each red, yellow, blue, black, white
- 9.8" long
- 10 per package
- 18 AWG wire



Part No.	Description	1	10	25
77842	Test leads	\$22.95	\$20.69	\$18.59

JAMECO
BenchPro

Double-Banana Plug to Alligator Clips Test Cable

- Red & black rubber boot
- 4" lead wire
- Length: 3'



Part No.	Description	1	10	50	100
107423	Test cable	\$4.75	\$4.19	\$3.54	\$2.99

Pomona
ELECTRONICS

Minigrabber® Test Clip Patch Cord Kit

- One each of 10 colors: black, brown, red, orange, yellow, green, blue, violet, gray and white
- 24" leads; clips on both ends



Part No.	Prod. No.	Description	1	10
156495	5523	Patch cord (hook) ...	\$37.69	\$33.94

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

JAMECO
BenchPro

Universal Test Lead Kit

Includes:

- 3' black/red cables,
- 4.5" black/red insulated test probes,
- 0.8" needle probes,
- spade terminals, 2 sets of 4 pieces each: red/black insulated alligator clips and banana plug



Part No.	Description	1	10	100
168516	Universal kit	\$8.95	\$7.61	\$5.71

JAMECO
BenchPro

Mini-Clip Test Leads

These spring loaded mini-clips hook easily to IC pins for testing.

- Set of five: red, blue, green, black and yellow
- 14"L; clips on both ends
- 26 AWG to 300V CSA/UL approved wire



Part No.	Description	1	10	100
135299	Mini test leads	\$11.49	\$10.39	\$9.29

JAMECO
BenchPro

Alligator Clip Leads

- 24 AWG wire
- Color-coded, 15" long
- Insulated alligator clip on each end
- 10 per pkg. in assorted colors



Part No.	Description	1	10	100
10444	Alligator leads	\$4.39	\$3.95	\$3.56

Pomona
ELECTRONICS

Replacement Probe Test Lead Set

- Set of two PVC 48" insulated leads, probe to banana plug
- Fits all DMMs
- Right-angle multimeter connectors



Part No.	Product No.	1	10	25
155952	5519A	\$14.99	\$13.69	\$12.99

PROBE MASTER

Probe Test Leads

- 23K gold tips
- Silicon wire
- 1000V rated
- Length: 3' 3"



174625 Includes: 10 plunger type tips

212222 Includes: 10 pieces; screw-on alligator clips, spade lugs and spring hooks



Part No.	Description	1	10	25
174625	Micro tip test leads	\$36.35	\$34.52	\$33.14
212222	Softie test leads	24.79	23.56	22.41

JAMECO
BenchPro

Protected Banana Style Multimeter Test Probes

- Threaded/painted test tip
- Black and red
- 18 AWG wire
- 42" long
- 2 per package



Part No.	Description	1	10	100
77738	Protected probes	\$6.49	\$5.85	\$5.25


Banana Plugs, Binding Posts & Alligator Clips

3 LEVELS OF SAVINGS
FRANCHISE SOURCED JAMECO GENERIC & NON-FRANCHISED HOUSE BRANDS FACTORY OVERRUN

Additional Test Accessories are available online at www.Jameco.com/Test

Standard Banana Style Multimeter Test Probes


- Black and red
- 18 AWG wire
- 2 per package
- 42" long



Part No.	Description	1	10	100
77746	Std. banana probes	\$7.69	\$6.95	\$6.25

Banana Jacks

- Fully insulated
- Chassis mounting
- Size: .937" L x .433" Dia.
- .182" solder tab




Part No.	Product No.	Color	1	10	100
1582170	6091	Red	\$1.05	\$1.02	\$1.00
1582188	6092	Black	1.05	1.01	.90

Panel Mount Tip Jacks 1/4" - 32 Thread


Mounts in panels ranging in thickness from 0.063" to 0.375".

- Plating: bright tin
- Material: brass
- Insulation: polycarbonate
- 10 per package



Part No.	Cross Ref. No.	Color	1	10	100
256779	R1-17-BLK	Black	\$8.59	\$7.30	\$5.48
263863	R1-17-RED	Red	8.59	8.15	7.75

Pomona Solderless Banana Plugs



- Nickel-plated
- Set screws secure leads
- ABS insulation
- 5000VDC @ 15A
- Sets include 1 black and 1 red
- 50°C max.

159864: w/ safety collar
159856: w/ set screw
159927: double banana plug w/ wire guide

Part No.	Product No.	Description	1	10	25
159864	1825-02	Safety collar	\$2.65	\$2.50	\$2.38
159856	1325-02	Set screw	3.95	3.59	3.23
159927	MDP-02	Double banana	5.15	4.64	4.43

1 1/16" Banana Plugs

- Set-screw connection
- Standard banana spring plug
- Additional 6-32 threaded hole for connection reliability
- Insulating sleeve is threaded to banana plug body
- .1875" lead opening
- Size: 1.6" L x 0.4" Dia.

Includes: One red and one black plug

Part No.	Description	1	10	100
72195	Banana plugs	\$1.59	\$1.49	\$1.25


2 1/4" Banana Plugs

- Nine rib spring plug
- Will accept up to 0.1" dia. wire
- Each plug equipped with hole for interconnection
- Insulating sleeve fits snugly over copper post
- Size: 2.3" L x 0.3" W
- Set-screw connection

Includes: One red and one black connector

Part No.	Description	1	10	100
137526	Banana plugs	\$2.95	\$2.12	\$1.84

BNC to Standard Double Banana Plugs




Permits BNC cables to be used with equipment having banana jacks. Lower connection: BNC; upper connection: double banana plug on .750" centers. Cross holes .166" diameter in body provide side stack-up connections.

Part No.	Description	1	10	100
11440	BNC banana plug (F)	\$5.95	\$5.39	\$4.79
125225	BNC banana plug (M)	7.25	6.17	4.95

Double Banana Plugs

- Dual gold-plated female banana plugs
- Stackable



Part No.	Description	1	10	100
125209	Black banana conn.	\$3.29	\$2.79	\$2.09
125218	Red banana conn.	3.35	2.95	2.35

1" Screw-Type Binding Posts

- For both wire and standard banana
- 0.16" hole for banana test leads
- Chassis mount w/ lock washer and nut
- Solder tab hole: 0.06" Dia.
- Size: 1.0" L x 0.5" Dia.

Requires: 0.32" mounting hole
Includes: One red and one black insulated post

Part No.	Description	1	10	100	1000
71240	Binding posts (2)	\$1.05	\$0.90	\$0.74	\$0.63

1 1/4" Screw/Solder Binding Posts

- For both wire & standard banana
- 0.16" hole for banana test leads
- Chassis mounting
- Solder post: 0.06" Dia.
- Size: 1.8" L x 0.5" Dia.

Includes: One red and one black

Part No.	Description	1	10	100	1000
77691	Binding posts (2)	\$1.31	\$1.14	\$1.10	\$1.05

Double Binding Posts - Dual Banana

- Red/black design
- 0.72" between posts
- Size: 1.6" L x 1.4" W
- Screw-mount



Part No.	Description	1	10	100
125196	Double bind post	\$4.95	\$4.32	\$3.99

BNC to Double Binding Posts - Dual Banana

- Red/black design



Part No.	Description	1	10	100
125233	BNC-female	\$5.95	\$5.39	\$4.05
99355	BNC-male	5.29	4.76	4.28

Micro Test Clip

- One piece per package




Part No.	Description	1	10	100
153163	1.6" micro test clip	\$1.95	\$1.74	\$1.38

Mini Test Clips

- Two lengths

Includes: One black and one red hooked probe clip



Part No.	Description	1	10	100
114809	1.75" mini test clips	\$2.19	\$1.71	\$1.55
114818	3.5" mini test clips	2.09	1.78	1.34

Insulated Alligator Clips

- Color-coded
- Insulated barrel
- Jaw opening .375"-0.5"
- Solder strap and pre-drilled hole for 6-32 self threading screw
- Size: 2.3" L x 0.5" W

Includes: One red and one black clip



Part No.	Description	1	10	100
70991	Alligator clips	\$0.39	\$0.36	\$0.33

Alligator Clips




- Sold in increments of 2

248921: 1.2" L x 0.3" W
256525: 1.9" L x 0.2" W

Part No.	Description	2	4	10
248921	Mini clip solder/crimp	\$0.336	\$0.30	\$0.275
256525	Alligator clip, barrel/screw	.47	.41	.39
248972	Red ins. for 256525	.26	.22	.16

How to Test Almost Everything Electronic

TAB Publishing Filled with easy-to-follow instructions on how to troubleshoot all types of electronic systems. Learn the many uses of electronic tools, test equipment and troubleshooting techniques.



- Size: 7.4" x 9.3"
- Weight: 1.3 lbs.

Part No.	Description	1	10
126199	How to Test Everything	\$20.75	\$18.85

Heavy-Duty Tool/Equipment Case

Made of lightweight aluminum, this tool case is designed to take rough field use. Case includes tool pallet, egg carton foam lid, and 2.5" thick pre-cut foam bottom. Ideal for carrying fragile instruments, test equipment, and small hand tools.



- Size: 19.0" L x 14.0" W x 6.0" D

Part No.	Description	1	5
261877	Tool/equipment case	\$48.59	\$36.44

We're Listening to Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

11-Piece Lightweight Computer-Service Tool Kit

- Kit includes:
 - 2 nut drivers: 3/16", 1/4"
 - 3-claw parts holder
 - 1-pc hex key wrench
 - IC extractor
 - 4-pc screwdriver set
 - Tweezers
 - Clear components tube holder



NEW
MARKED IN PINK

Part No.	Description	1	10	25
167206	11-piece tool kit	\$13.25	\$9.83	\$7.37

52-Pc. Master Electronics Tool Kit

Simply every tool needed for field repair or installation. All in a handsome lockable case, with room for spare parts or special equipment.

- Kit includes:
 - 7 pliers
 - Storage box
 - 3-piece soldering aid kit
 - Soldering iron with stand and sponge
 - Wrench
 - 10-piece screwdriver set
 - Brush
 - 6-piece screwdriver set
 - Desolder pump
 - Testing screwdriver
 - IC extractor
 - 7-piece hex set
 - 6-piece wrench set
 - PVC insulated tape
 - Solder core
 - Heat sink
 - Measuring tape
 - Carrying case has two removable pallets, adjustable compartments, and combination locks
- Size: 18.0"W x 13.0"D x 4.0"H • Weight: 16.0 lbs.



Part No.	Description	1	5
218245	Master electronic tool kit	\$133.09	\$126.41

55-Piece Tech Tool Kit

An assortment of tools for general & precision work for technicians, engineers, students, etc.

- Kit includes:
 - 7-piece hex key set
 - 3-piece soldering aid kit
 - 3-piece screwdriver & handle
 - 6-piece electronic screwdriver set
 - 2 tweezers
 - Wrist strap
 - Crimping tool
 - Flashlight
 - 3-prong holder
 - 6-piece hammer set
 - 5 pliers
 - Soldering iron
 - 4 blades
 - Outer velcro pockets to store paperwork, etc.
 - Complete your kit with a multimeter (see pg 147)
- Size: 17.6"L x 12.8"W x 4.0"H • Weight: 9.2 lbs.



NEW
MARKED IN PINK

Part No.	Description	1	5
136311	55-piece tool kit	\$136.69	\$119.21

40-Piece Electronic Tech Tool Kit

- Kit includes:
 - Wire cutters/ stripper
 - Adapter bit for sockets
 - Pocket clip screwdriver
 - Potentiometer alignment tools
 - T10-T25 reversible Torx screwdriver bits
 - 3/16"-1/2" S.A.E. nut driver sockets
 - 6mm-12mm metric nut driver sockets
 - Slotted and Phillips screwdriver bits
 - 10-pc screwdriver set
 - Extra long 3-claw parts holder
 - IC inserter w/ pin straightener
 - IC extractor
- Size: 9.5"L x 6.8"W x 1.4"H • Weight: 1.7 lbs.



Part No.	Description	1	5	25
119183	40-piece tool kit	\$22.49	\$19.95	\$16.95

69-Piece Tech Service Tool Kit

- Kit includes:
 - Storage box
 - 7 pliers
 - Tweezers
 - Spring hook
 - 3-piece soldering aid kit
 - 3-piece alignment tool set
 - Diagonal cutter
 - Forceps
 - 9-piece screwdriver set
 - Wire stripper
 - 5-piece file set
 - Flashlight
 - 3-prong holder
 - PVC insulated tape
 - Heat sink
 - Measuring tape
 - 6-piece electronic screwdriver set
 - 40-piece socket & screwdriver set
 - 10-piece electronic wrench set
 - Desoldering pump
 - Drill
 - Soldering iron
 - Desoldering wick
 - Brush
 - Crimping tool
 - Extractor
 - 7-piece hex key set
 - Hammer
 - Solder core
 - Wrist strap
 - Inspection Mirror
- Size: 18.5"L x 13.8"W x 6.7"H • Weight: 22.8 lbs.



Part No.	Description	1	5
149024	69-piece tool kit	\$289.99	\$259.99

104-Piece Professional Electronics Tool Kit

Kit for field technicians and engineers!

- Kit includes:
 - Soldering iron
 - 12 screwdrivers
 - 7-piece hex key set
 - Extractor
 - 4 Pliers
 - Crimper/Stripper
 - 6-piece screwdriver set
 - 3-piece soldering aid kit
 - Desoldering pump
 - Multimeter
 - Tweezers
 - 5-piece file set
 - 10-piece wrench set
 - Voltage tester
 - 2 bottles cleaning liquid
 - Blade cutters
 - Cordless screwdriver kit (bits included)
 - Aluminum case features removable pallets, surface-type locks, and black plastic handle
- Size: 18.0"L x 14.0"W x 6.0"H • Weight: 15.5 lbs.



QUANTITY SAVE

Part No.	Description	1	5
242851	104-piece tool kit	\$199.95	\$149.95

51-Piece Tech Tool Kit

- Kit includes:
 - Storage box
 - 4 pliers
 - Tweezers
 - 6-piece electronic screwdriver set
 - Scissors
 - 7-piece hex key set
 - PVC insulated tape
 - 10-piece screwdriver set
 - Utility knife (3 blades)
 - 3-piece soldering aid kit
 - Desoldering pump
 - Soldering iron with stand and sponge
 - Case features removable pallets, a combination lock and a cushioned black plastic handle
- Size: 12.5"L x 17.5"W x 3.5"H • Weight: 10.4 lbs.



Part No.	Description	1	5
26681	51-piece tool kit	\$99.95	\$81.95

Weller® 250-Watt, 3-Setting Industrial Heat Gun

- 750°F to 800°F hot air at nozzle;
- 3-position switch; hot-off-cool
- Designed for assembly and repair applications such as shrink tubing and vinyl, epoxy curing/drying/cooling
- 120VAC @ 60Hz • ESD safe
- Long-life heater and fan components
- 3-wire grounded plug; 6' cord



Part No.	Product No.	Wt. (lbs.)	1	5
191943	6966C	1.2	\$137.95	\$124.95

1000-Watt Heat Gun

- Input voltage: 110-120VAC
- Dual heat setting: 600°F/1100°F
- Works with spot dry paints, plaster, spackle, and cure adhesives
- Use with heat-shrink material
- Thaw pipes, frozen locks, and loosen rusted bolts



Part No.	Description	1	6	12
254925	Heat gun	\$44.69	\$43.16	\$38.69

Heat Gun/Stripper

Dual-Setting

- Use with heat shrink material
- Works with spot-dry paint, plaster, spackle cure adhesives
- Will remove adhesive-applied tiles and linoleum without chipping
- Dual heat setting: 600°F/1100°F
- Thaw frozen pipes and locks, and loosen rusted bolts
- UL listed • Weight: 1.8 lbs. • Size: 9.3"L x 7.0"W
- For heat shrink attachment (P/N 217816, see web)



Part No.	Description	1	10	25
76865	Heat gun	\$41.45	\$36.22	\$32.49

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 175.

Wrenches, Cutters/Strippers, Crimping Tools & Pliers

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	GENERIC & NON-FRANCHISED	HOUSE BRANDS	FACTORY OVERRUN

Additional Tools are available online at www.Jameco.com/Tools

R² RapidRench Adjustable Ratcheting Socket Wrench

- Replaces 38 most popular socket sizes
- Fits hundreds of SAE and metric fasteners
- Tighten or loosen with a flip of a switch
- Dial adjusts jaws to the exact size of the fastener
- Jaw capacity: 1/4" to 7/8" (6.35mm to 22.2mm)
- Rubberized comfort grip for extra control



Part No.	Product No.	1	5
1943131	FR28SWMP	\$27.95	\$25.49

RapidSlide Adjustable Wrench

- Slide/control button on handle for fast, easy and accurate jaw adjustment
- SAE/metric adjustment markings on head
- 1" maximum jaw opening allows each tool to work with more fastener sizes
- Wider handle provides more comfort and less stress to the hands



Part No.	Product No.	1	5
1943123	AC8NKWMP	\$19.95	\$18.49

5" Wire Cutter/Strippers

- Insulated handles
- Spring return
- Tempered steel cutting edge
- Size: 5.0"L x 3.0"W
- One-year warranty

78992: 10-30 AWG

(screw adjustable)
215889: 10-24 AWG (dial to adjust for wire gauge)



Part No.	Cross Ref. No.	1	10	50	100
78992	HT108	\$3.95	\$3.95	\$3.49	\$2.95
215889	JE-2022C	3.95	3.49	2.95	2.59

6" Wire Cutter/Strippers

- Plier nose
- Wire size markings, in AWG and mm
- Size: 6.0"L x 2.0"W

161226: Premium
12-20 AWG stranded; 10-18 AWG solid

161234: Premium
16-26 AWG stranded; 14-24 AWG solid

161218: Standard
16-26 AWG stranded; 14-24 AWG solid • Color: red



Part No.	Product No.	Description	1	5
161226	ID45-215	Cushioned grips	\$17.95	\$17.25
161234	ID45-216	Cushioned grips	17.95	17.25
161218	ID45-121	Non-cushioned grips	15.95	14.95

Automatic Wire Stripper

- Spring load grip
- Size: 7.0"L x 2.5"W
- Weight: 0.8 lbs.

Includes: Wire stopper for desired strip length



Part No.	Description	1	10	25
175098	Strips 8-22 AWG	\$16.95	\$15.25	\$13.75

Rotary Coax Cable Strippers

2 and 3 Blade

159119 (3 Blade):

2 settings RG58/59/62

- For cable sizes 4-10mm
- Size: 4.2"L x 1.3"W • Color: black



159185 (2 Blades): 4 settings RG58/59/62/174

- For cable sizes 4-12mm
- Size: 3.9"L x 0.7"W
- Color: gray



Includes: Hex key wrench for adjusting blade

Part No.	Product No.	1	10	25
159119	HT312B (3 blade)	\$13.95	\$11.95	\$9.95
159185	HT332D (2 blade)	13.95	12.49	11.25

Hand Tools for Mini-Fit™ Jr.



304928: Accepts wire range from 14-24 AWG

Part No.	Product No.	Description	1	5
304928	63811-1000	Crimp tool	\$47.95	\$43.95
304936	11-03-0044	Extraction tool	17.49	15.95

Ratcheted Modular Connector Crimping Tool

- Insulated grip
- Ratcheted type
- Metal • 7.5"L
- Crimps RJ45 (8P8C) and RJ11/12 (6P6C)
- Weight: 0.7 lbs.



Part No.	Description	1	5	25
159312	RJ45/11/12	\$23.95	\$21.95	\$19.95

Ratcheted BNC Crimping Tool

- Crimps RG58, RG59, RG62, RG174 and fiber optic
- Hex sizes: 0.043", 0.068", 0.100", 0.137", 0.213", 0.255"
- All steel construction
- Size: 8.5"L x 2.5"W • Weight: 1.1 lbs.



Part No.	Product No.	1	5	25
114535	HT-336G	\$25.95	\$23.49	\$20.95

Non-Insulated Terminal D-Sub Crimping Tool

14-26 AWG

- Heavy-duty metal tool with cutter and insulated handles
- For computer pins and sockets, D-sub 26-28 AWG wire
- For butt-insulated connectors, 22-26 AWG wire
- For telephone spade lugs, 22-26 AWG wire
- For non-insulated connectors, 20-22 AWG wire
- For non-insulated connectors, 14-18 AWG wire
- Coiled spring return
- Size: 7.3"L x 1.5"W



Part No.	Product No.	1	10	50	100
99443	HT202A	\$9.49	\$8.49	\$7.75	\$6.95

D-Sub Crimping Tool

20-28 AWG

- Crimps D-sub pins and sockets
- For use w/ P/Ns 43377, 43369 & 100766, pg 76
- Size: 7.0"L x 4.0"W



Part No.	Product No.	1	10	50
159266	HT213	\$12.95	\$10.95	\$9.49

Xcelite® Needle Nose Pliers

217891 (submini needle nose): Serrated jaws

- Positive gripping of fine wire or subminiature components
- Fine point allows use in confined areas

217998: Smooth jaws
General purpose for pick-up and wire forming



Part No.	Prod. No.	Description	1	10
217891	L4	4" mini needle nose	\$14.95	\$13.69
217998	LN54G	5" thin long nose	15.49	14.49

Half-Round Long Nose Pliers

- Drop forged steel
- Spring return action
- Length: 4.5"
- Heat treated
- Vinyl grips
- Knurled jaws



Part No.	Description	1	10	50	100
177608	Half-round pliers	\$4.95	\$4.49	\$3.95	\$3.59

5.3" Flat Long Nose Pliers

- Stainless steel
- Spring return
- Durable rubber handles
- 5.3" length w/ 1.4" plier nose
- Smooth jaws



Part No.	Description	1	10	50	100
195531	Flat long nose	\$5.75	\$5.10	\$4.02	\$2.93

Precision 5-Piece Stainless Steel Pliers Set



- Spring return
- Insulated handles

Includes:

One 3.5"L micro cutting nippers and one each 4"L micro round nose pliers, long nose pliers, flat nose pliers and bent nose pliers

Part No.	Description	Wt. (lbs.)	1	10	25
73121	5-piece set	0.6	\$18.49	\$16.75	\$14.95

Diagonal Wire Cutters

- Jaws are designed for flush cutting
- Cuts component wire up to 1.2mm thick
- 0.5" cutting blade
- 35482: 4.3"L x 2.1"W
- Durable rubber handles
- Stainless steel



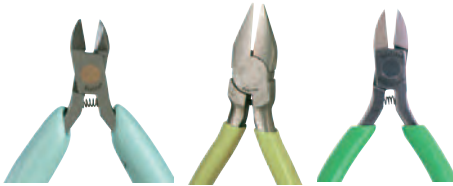
161411: 5.0"L x 1.8"W
Also cuts 0.08mm fine wire • Insulated handles

Part No.	Description	1	10	50
35482	4.3" cutter	\$5.59	\$4.99	\$4.55
161411	5.0" cutter	7.49	6.74	6.07

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Tools are available online at www.Jameco.com/Tools

Xcelite® Diagonal Cutters



Manufactured from the finest forged alloy steel with polished head and cushion comfort handles.

- Flush cutting edge
- Cutting edges machine ground and electronically hardened for extended life
- Forged alloy steel w/ polished head
- Handle coil springs for fast cutting action
- ESD safe cushion grips for maximum comfort

Part No.	Product No.	Description	1	5
217921	MS54J	4" oval head-flush	\$16.25	\$15.49
1536974	S475NJS	4" relieved head-flush	15.49	14.89
217904	MS549J	4" tapered head-flush	15.75	14.95
217867	MS545J	4" slim line tapered head-flush	15.25	14.49

Xcelite® Cutters and Pliers



- Spring returns
- 146712: Micro series wire cutter – flush; 6"
- 146739: Diag. wire cutter – semi-flush; 4"
- 146721: Long needle nose pliers – flat; 5"

Part No.	Product No.	1	5	25
146712	170M	\$5.89	\$5.49	\$5.15
146739	MS54V	16.75	15.95	15.25
146721	MN7776V	17.95	17.25	16.49

Xcelite® Shearcutter/Pliers Set

- Improved handle grip for control and comfort
- Non-glare black finish carbon steel
- Size (plier): 5.6"L
- Size (shearcutter): 5.2"L

Part No.	Product No.	1	5	50
152055	S2K	\$16.95	\$15.95	\$15.25

Jameco® BenchPro Mini-Drill and Stand

This Mini Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.



Part No.	Description	Wt. (lbs.)	1	5	25
26702	GTT-103A drill	0.8	\$34.95	\$31.95	\$29.49
26711	GTT-104 stand	1.8	25.95	23.95	21.95

More at www.Jameco.com

PC Board Drill Bits

- Shaft diameter: .125"
- Use for drilling holes in glass PC boards

Part No.	Mfr. No.	Size	Dia.	1	10	100
1919537	1/8	1/8	.125"	\$1.75	\$1.49	\$1.25
1919588	31	31	.120"	1.75	1.49	1.25
1919300	32	32	.116"	1.75	1.49	1.25
1919609	33	33	.113"	1.75	1.49	1.25
1919553	35	35	.110"	1.75	1.49	1.25
1919570	38	38	.102"	1.75	1.49	1.25
1919502	45	45	.082"	1.75	1.49	1.25
1919596	46	46	.081"	1.75	1.49	1.25
1919561	48	48	.076"	1.75	1.49	1.25
16580	59	59	.040"	1.75	1.49	.99
16619	75	75	.021"	1.75	1.49	.99

9-Piece Drill Bit Kit

- Variety of sizes: .014" to .126"
- Shank diameter: .125"
- Each kit will vary in contents of bit sizes

Part No.	Description	1	10	50
131676	9-piece drill bit kit	\$9.95	\$8.95	\$7.95

Jameco® BenchPro 32-Piece Security Bit Set

These bits match the security fasteners commonly used in today's electronic products.

Includes: Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" 3/16" and 1/4"; Security Torx bits: T8, T10, T15, T20, T25, T27, T30, T35 and T40; Spanner bits: 4, 6, 8 and 10mm; Phillips bits: #1, #2, #3 and #4; and 60mm magnetic bit extension that fits 1/4" hex driver

Part No.	Description	1	10
223829	32-piece security bit set	\$11.95	\$10.75

Jameco® Pocket Screwdriver

Phillips & Flat head

- Size: 6"L
- Pen clip for pocket storage

Part No.	Description	1	10	100
127271	Pocket screwdriver	\$1.89	\$1.44	\$1.08

6-Pc Precision Screwdriver Sets

34041 includes: 3/64", 1/16", 5/64", 5/32", 1/8" & 9/64" slotted screwdrivers

34059 includes: 3/64"#0, 1/16"#0, 5/64"#0, 3/32"#0, 1/8"#1 and 9/64"#1 Phillips screwdrivers

Part No.	Description	QUANTITY SAVE	1	10	50
34041	Slotted set		\$3.59	\$3.05	\$2.29
34059	Phillips set		3.59	3.06	2.30

6-Pc Precision Torx Screwdriver Set

- T5 and T6 x 50mm Torx screwdrivers
- T7, T8, T9, T10 x 50mm Torx hex screwdrivers

Part No.	Description	QUANTITY SAVE	1	5
226106	Precision TORX screwdriver		\$13.59	\$10.23

6-Pc Long-Neck Screwdriver Set

- Three slotted: 0.09"Dia. x 6.6"L; 0.12"Dia. x 6.6"L; 0.16"Dia. x 9.6"L
- Three Phillips: No.0, 0.12"Dia. x 6.64"L; No.1, 0.16"Dia. x 9.61"L; No.2, 0.09"Dia. x 6.65"L

Part No.	Description	1	10	50
99451	6-pc. screwdriver set	\$9.39	\$8.46	\$7.61

7-Pc Insulated Screwdriver Set

- Tapered handle for sure grip
- Precision ground shank
- Hardened, magnetic tips

Includes: 0.4/0.8/1.0/1.2mm slotted; #0/1/2 Phillips

Part No.	Description	1	5
261999	Screwdriver set	\$18.69	\$17.74

T-Handle Reamer Tool

Excellent for aluminum chassis work

- For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
- T-handle for easy rotation of tool
- Handle: 3.3" long, tool: 5.3" long

Part No.	Description	1	10	25
151750	T-handle reamer	\$7.95	\$7.49	\$6.95

Deluxe Precision Knife Set

- Three different knife handles – fine work, medium and heavy duty power grip
- Size: 6.3"L x 2.8"W x 1.4"H

Includes: 13 types of blades

Part No.	Description	1	10	25
72768	13 blade knife set	\$10.25	\$9.73	\$8.87

5" Steel Hemostats

- Grade 410 A.I.S.I. stainless steel
- Three locking positions

Part No.	Cross Ref. No.	Description	1	10	50
115107	HEM01	Straight	\$3.49	\$3.14	\$2.83
115115	HEM02	Curved	3.95	3.56	3.20

Impact Punch-Down Tools

- Reversible clip-in blade
- Adjustable (HI-LO) spring-loaded impact mechanism
- Storage bin on handle for spare blade

175071: Tool with blade

- For 66-type terminals
- Size: 5.2"L x 1.5"W x 1.0"H

324014: Tool with blade

- For 110-type terminals
- Size: 5.8"L x 1.7"W x 1.2"H

175089: Punch-down blade 110-type terminals

Part No.	Description	1	10
175071	Tool with 66 blade	\$37.29	\$33.52
324014	Tool with 110 blade	49.35	38.69
175089	Punch-down blade 110	14.95	13.49

Tools, Anti-Static, Magnifying Lamps & Soldering

3 LEVELS OF SAVINGS
FRANCHISE SOURCED JAMECO
GENERIC & NON-FRANCHISED HOUSE BRANDS FACTORY OVERRUN

Additional Tools are available online at www.Jameco.com/Tools

Strip-Wrap-Unwrap Tools

- Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .025" square posts
- No solder necessary, see pg 55 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections • 4.5" long

Part No.	Cross Ref. No.	1	10	25
34585	HSM30 (Modified)	\$59.49	\$53.54	\$47.58
236785	HSR30 (Regular)	30.55	25.97	19.48

Metal Dial Calipers

Choose Metric or Inches

- For accurate measurements every time
- Measures outside, inside and depth
- Easy-to-read dial gauge
- Length: 6" (150mm)
- Materials: metal • Color: silver

Includes: Fitted plastic storage case

Part No.	Description (min. reading)	1	10	25
116134	Metric (.02 mm) ⊕	\$32.65	\$29.39	\$26.44
116126	Inches (.001 inch) ⊕	29.95	25.46	19.10
684449	Metric/Inches	52.39	44.53	33.40

Digital Display Caliper

Metric and Inches

- Hardened stainless steel
- Display: inches to 0.001; mm to 0.01
- Instructions for making internal, external, depth & step measurements
- Calipers measure to 6 inches/150mm
- One-year warranty

Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783, pg 136)

Part No.	Description	1	10	25
127482	Digital disp. caliper ⊕	\$69.25	\$66.28	\$64.62

4-Piece Conductive SMD Tweezer Set



- 4 types of tweezers: fine point, flat head for 4mm SMD chip device, flat head for 8mm SMD chip device, sharp angled tip
- Each is 4.5" long

Part No.	Description	1	10	25
172638	4-piece tweezer set ⊕	\$11.95	\$10.95	\$9.95

4-Piece Steel Tweezer Set



- 4 styles of stainless steel tweezers, one self-locking
- Ideal for picking up small components in hard-to-reach places

Part No.	Description	1	10	50
10735	4-piece tweezer set ⊕	\$7.95	\$6.95	\$5.95

PLCC and DIP IC Extractors

- Size: 4.0"L x 2.0"W

Part No.	Product No.	Description	1	10	100
16766	HT103B	PLCC	\$3.95	\$3.55	\$3.19
16838	HT103A	DIP	1.49	1.25	1.09

IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.

- Straightens 8/14/16/18/20/24/28/40/42-pin ICs
- Materials: black plastic • Size: 3.3"L x 1.5"W x 0.4"H
- Includes: Ground terminal

Part No.	Description	1	10	100
99363	IC straightener	\$7.69	\$6.94	\$6.24

Conductive Anti-Static Foam and Bags

Don't get zapped!

Protect your investment with these inexpensive bags and ensure a safe work area with our conductive anti-static foam.

13864: 24.0"L x 12.0"W x 0.25"H

Part No.	Description	1	5
13864	Anti-static foam ⊕	\$9.75	\$8.77
78650	8" x 10" anti-static bags ⊕	.69	.59

Protective Coiled Grounding Wrist Strap

- Comfortable, adjustable Velcro wrist strap
- The coiled cord has banana plug and alligator clips
- Extended cord: 9' long
- Color: black

Includes: 1MΩ resistor for added safety

Part No.	Description	1	10	100
34552	Anti-static strap	\$6.49	\$5.85	\$5.29

3X Magnifying Lamps

- 45" extension arm
- Supplied with 22-watt circuline tube
- Extra strong, all-metal mounting base with electrical outlet
- New wire clip design permits easy installation
- Metal bulb holder for extra protection
- Power requirement: 110VAC/60Hz
- 3-diopter lens • Weight: 7.3 lbs.

Part No.	Description	1	10	25
100829	Black lamp	\$59.95	\$53.95	\$49.95
149981	White lamp	59.95	53.95	49.95

Standard Adjustable 3X Magnifying Lamp

- 4" Diameter lens
- Maneuverable 30" arm extension
- Lamp tilts & turns in any direction
- Uses 60W incandescent bulb (not included)
- Power requirement: 110VAC/60Hz
- 3-diopter lens • Weight: 2.9 lbs.

Part No.	Description	1	10	25
22710	Magnifying lamp	\$29.15	\$27.71	\$26.28

3X, 3-Bulb Magnifying Lamp

Three 9-watt compact fluorescent bulbs located to the side and top of the lens provide superior lighting to your workspace or job at hand. The integral spring-balance arm reduces the chance of pinched hands from springs, and provides a sleek clean look.

- Adjustable rectangular 3-diopter lens
- 47" long arm • 2 on/off buttons
- Color: beige • UL listed • Weight: 8.15 lbs.

Part No.	Description	1	10	25
217517	Adj. magnifying lamp	\$79.95	\$74.95	\$69.95

Precision 5 Diopter Magnifying Lamp

The arm extends to 40", is adjustable to any direction or angle, and has a 5 diopter. This is the perfect tool to help identify small electronic components and magnify a printed circuit board to help solder electronic components.

- 5" diameter lens • Weight: 7.1 lbs.
- Power requirement: 110VAC/60Hz

Includes: 22W circuline fluorescent bulb

Part No.	Description	1	10	25
197456	Magnifying lamp	\$109.95	\$98.95	\$88.95

3X Magnifier with Adjustable Stand

- Heavy duty steel base
- Size: 15"L (full stand) x 4"Dia. (base)

Part No.	Description	Wt. (lbs.)	1	10
148881	Magnifier	2.5	\$13.95	\$12.56

Weller® 40-Watt Soldering Station

- Lighted on/off switch
- Adjustable power from 5 watts to 40 watts
- 120V @ 60Hz
- Temp. is electronically controlled from 350° to 850°F
- Size: 5.5"L x 4.5"W x 3.5"H • Weight: 1.9 lbs.

Includes: ST3 1/8" Screwdriver tip and manual

Part No.	Product No.	1	10
146595	WLC100	\$51.79	\$49.59

Weller® Soldering Tips

Replacement Tips for WLC100, WP25 & WP23

Part No.	Prod. No.	Description	1	10
146608	ST1	Screwdriver tip 1/16"	\$5.45	\$4.86
146616	ST3	Screwdriver tip 1/8"	5.45	4.86
192145	ST6	Screwdriver tip .031"	5.69	5.09
146624	ST7	Conical tip 1/32"	4.99	4.26

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business-day shipment.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Soldering Products are available online at www.Jameco.com/Soldering

Weller® 42-Watt Controlled-Output Soldering Station

- Complete with macro style, low voltage, temp. controlled soldering iron
- Closed loop method of controlling maximum tip temperature for protection of temperature sensitive components
- 120VAC @ 60Hz input
- Power unit housing features impact resistant plastic for durability
- Quick disconnect plug for soldering iron and lighted on/off switch
- Separate conductor grounds iron tip and terminates third pin of power cord
- Size: 5.9"L x 4.5"W x 3.6"H
- Weight: 4.0 lbs.



QUANTITY SAVE

Includes: Soldering iron and PTA7 tip (below)

Part No.	Prod. No.	Description	1	10
170552	WTCP	Solder station	\$142.15	\$137.40
192161	TC201T	Replac. iron	74.65	71.95
192170	PTA6	.062" screwdriver tip (600°F)	5.75	4.31
192188	PTA7	.062" screwdriver tip (700°F)	5.99	5.47
192196	PTA8	.062" screwdriver tip (800°F)	5.69	5.15

50-Watt Analog & Digital Display Soldering Stations

Innovative heater and sensor combination for quick heat-up and rapid temperature recovery.

- Tip temperature offset capability allows user to reset temperature readings to match tip size and style
- Wireless temp. lockout
- Auto power-down after 90 minutes of inactivity
- Temperature range: 350°F to 850°F
- Temp. accuracy: ±9.0°F
- Size: 5.9"L x 4.5"W x 3.6"H
- Weight: 4.0 lbs.

Weller®



233533

Includes: PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

Part No.	Product No.	Description	1	10
217461	WES51	Analog	\$125.39	\$121.95
233533	WESD51	Digital	158.95	150.99

60-Watt Analog Display Soldering Station

Maintains a steady temp. using a cartridge heating element, providing a longer life for the solid soldering tip.

- Electronic temperature control: 300°F to 850°F
- CMOS devices protected against voltage spikes
- Size: 4.3"W x 6.0"D x 3.4"H
- Weight: 4.1 lbs.

Includes: One 1/16" tip (P/N 35115, pg 163)

236460: Replacement sponge

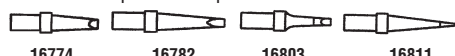


Part No.	Product No.	1	10	25
236110	168-3C	\$89.95	\$79.95	\$72.95
236460	78-744615	2.99	2.69	2.49

Weller® Soldering Tips

Replacement Tips for WES51 & WESD51

- Tip leakage: less than 2mV
- Tip to ground resistance: less than 2Ω
- Additional tips can be special ordered



Part No.	Prod. No.	Description	1	10
16774	ETA	Screwdriver 1/16"	\$6.95	\$6.25
16782	ETJ	Long screwdriver 1/32"	6.95	6.25
16803	ETR	Narrow screwdriver 1/16"	5.95	5.65
16811	ETS	Long conical 1/64"	6.95	6.39



16 to 30-Watt Variable Soldering Iron & Stand

116572: Length: 7.5"

36329:

- Black anodized steel base - 5.3"L x 3.3"W
- See below for replacement sponge (P/N 134631)
- Fits most soldering irons .85" diameter

Includes: Sponge



Part No.	Description	1	10	100
116572	258VL soldering iron	\$19.95	\$17.95	\$16.29
36329	Soldering stand	4.95	4.46	4.01
134631	Sponge (for P/N 36329)	2.99	2.69	2.49



Thermally Balanced 25-Watt Soldering Iron

The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.

- 120VAC; 6' cord
- 25-watt power consumption
- Interchangeable tips (pg 163)
- Length: 8.0"
- One-year warranty

Includes: 1.6mm conical tip

Part No.	Product No.	1	10	25
129040	200GX-25W	\$13.69	\$11.87	\$11.82

Weller® High-Quality 25-Watt & 35-Watt Soldering Irons

- Interchangeable heater elements
- Lightweight handle with cushioned grip
- Quick change knurled collar
- Length: 9"
- 120VAC @ 60Hz

Includes: Power cord & ST3 tip (pg 160)

Part No.	Product No.	Description	1	10
170587	WP25	25W solder iron	\$36.59	\$33.23
192102	WP35	35W solder iron	46.19	44.65
192153	PH25	Solder iron stand	18.19	17.79



170587



192153

35-Watt Soldering Iron

- UL approved
- Ideal for maintenance and hobby use
- 0.157" removable tip
- Length: 8.1"
- 110-120VAC



208987

Part No.	Description	1	10	100
208987	35W soldering iron	\$3.49	\$3.04	\$2.77
209075	Solder roll, 8mm (.031")	19.95	17.95	16.94

Weller® Cordless Soldering Iron Kit

- Self igniting and instant heat
- Adjustable temperature (25W to 125W)
- Auto switch off
- Visible gas level
- Additional tips can be special ordered
- 2 hours of heat on average tank setting



Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Product No.	Description	1	5
152207	PSI-100K	Tool kit	\$83.65	\$80.83

Weller® Pro Cordless Coldheat Soldering Iron

Using the patented Coldheat™ system, the Weller Pro Cordless melts solder instantly and is cool to the touch in just seconds. The Weller Pro has the power industrial professionals need to tin wire as large as 12AWG or join wires from 18-25AWG, with an average yield of 700 solder joints per 5 AA alkaline batteries.

- Polycarbonate body
- Bright white LED light
- Includes carrying case and CHT3 61° angle chisel tip

Requires: 5 AA alkaline batteries

Part No.	Product No.	Description	1	5
684705	CHT100	Cordless soldering iron ...	\$41.59	\$35.95



WAHL® Cordless Soldering Iron

The #1 choice for field service soldering!

IsoTip® Power Pro Model #7904

- 900°F tip temperature
- LED indicator light
- Solders 200+ joints or up to 30 minutes of continuous soldering
- Iron performance equivalent to 25-watt iron
- Weight: 1.1 lbs.

Includes: Soldering iron, recharging stand, NiCd battery pack, and tips

Part No.	Description	1	10
132783	Power Pro cordless iron	\$67.29	\$65.79



NEW MARKED IN PINK

Weller® 8/11-Watt Battery Powered Soldering Iron

- Heats to working temperature in less than 15 seconds
- Dual heat settings: 8-watts on low setting (850°F) or 11-watts on high setting (950°F)
- White LED light illuminates working surface
- Co-molded grip for comfort grip and protective safety cap turns off power when placed on tool
- Over 150 intermittent solder joints with fresh batteries

Includes: Iron, tip, 4 "AA" batteries, lead free solder, and tip/wrench stand

Part No.	Product No.	1	5
1943060	BP860MP	\$22.75	\$21.49



NEW MARKED IN PINK

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 175.

Additional Soldering Equipment is available online at www.Jameco.com/Soldering

velleman

Butane Powered Cordless Soldering Iron

- Built-in on-off switch
- Length: 8.5"
- Can be used as a torch or hot blower
- Maximum temperature: 450°C (842°F)
- Average use of 40 minutes on a full load

Part No.	Product No.	Description	1	10
645520	GASIRON2	Soldering iron	\$33.95	\$29.95

Magna-Lite Butane Table-Top Torch

- Waterproof piezo ignition
- Adjustable flame control
- Child-resistant ignition for safety
- Refills in 20 seconds with standard butane gas
- Flame temperature: 2500°F (1300°C)
- Run time: 60 minutes (@ middle flame setting)
- Uses: brazing, soldering, heat shrink tubing, industrial maintenance

NEW
MARKED IN PINK

Part No.	Product No.	Description	1	5
1943001	ML200		\$27.49	\$26.49

Magna-Lite Butane Soldering Pencil

- Piezo electronic ignition system
- Adjustable gas flow valve controls temperature range
- Temperature range: 750°F to 900°F
- Up to 30 minutes continuous use on medium setting
- Window allows you to see gas level
- Base for hands free operation and safety cap for secure storage
- Can be used as a torch when tip is removed

NEW
MARKED IN PINK

Part No.	Product No.	Description	1	5
1943051	ML500MP		\$16.75	\$15.95



SMD Rework Station

- Long-life ceramic heating element
- High-performance, inexpensive, versatile
- Adjustable temp.: 250-450°C (482-842°F)
- Rapid heat-up and recovery
- Thermocouple sensor for stable temperature
- Size: 7.4"L x 5.0"W x 3.3"H
- 40W station, 25W ceramic element
- Weight: 2.6 lbs

Includes: Base power unit, sponge, stand, surface mount tweezer iron, and stand for tweezers

Part No.	Description	1	10	25
224629	Rework station	\$89.95	\$80.99	\$72.85
168583	.078" tip	11.95	10.79	9.69
168591	.590" tip	12.95	11.69	10.49



SMD Tweezer Iron

- Maximum efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- Max. temp.: 760°F • 120VAC
- Heater insulation exceeds 100MSΩ
- Heater power consumption: 35W ea.

Part No.	Description	1	10	25
168410	Tweezer iron	\$59.95	\$53.90	\$48.90
168583	Tip .078"	11.95	10.79	9.69
168591	Tip .590"	12.95	11.69	10.49

Electric & Manual Desolder Pumps

- Easily disassembled for cleaning
- Replacement tips available



Part No.	Description	1	10
19255	Electric desolder pump	\$26.95	\$23.95
19166	Manual desolder pump	4.95	4.49
19262	1 tip for 19255	4.95	3.71
22091	2 tips for 19166	4.49	3.95
307782	1 tip for DP100	2.99	2.75

19166: Size: 7.8"L x 0.8"Dia.

Weller® Digital Soldering Stations

- New WP80 soldering pencil offers 80 watts of power with short tip-to-grip (52mm)
- 80W of power
- Barrel can be exchanged with optional longer version to work at standard length (65mm)
- Unique silver heater allows fast, efficient soldering
- Uses WP80 soldering pencil and WDH10 soldering stand
- Includes LTB tip
- Size: 15.4"L x 10.2"W x 5.2"H
- Weight: 8.2 lbs.

- Extensive special functions menu allows you to use setback, lockout, standby, auto-off time and more
- Heating element is contained in pencil rather than tip
- Micro pencil with short tip-to-grip (37mm) puts you close to the work
- 85W of power
- Iron stand has adjustable tilt angle in 4 positions ranging from 30° to 80°
- Includes NT1 tip
- Uses WMP soldering pencil and WDH20 iron stand
- Size: 15.9"L x 10.9"W x 5.8"H
- Weight: 7.5 lbs.

Part No.	Product No.	Description	1	5
684772	WD1002	80W	\$287.69	\$278.09
684781	WD1001	85W	287.69	278.09

80-Watt Desoldering Station

- Input voltage: 100 – 120VAC @ 60Hz
- Heater: 32V, 80W
- Large digital temperature display
- Tip temperature accurate to ±3°C (6°F)
- Zero voltage switching & fully grounded design makes this unit safe on electro-sensitive devices
- Adjustable temperature w/o changing tips
- Suction controlled by a finger actuator thyristor located on the desoldering handle
- Self contained diaphragm vacuum pump engineered to provide continuous, maintenance free operation
- Temperature range: 300°C to 450°C (572°F to 842°F)
- Size: 7.9"W x 9.3"D x 4.5"H

Includes: DIA80 desoldering iron, 2 soldering stands, foam filters, & cleaning brush

Part No.	Product No.	Description	1	10
1919094	LF-6000	Desoldering	\$349.29	\$331.74

Analog Soldering/Desoldering Station

- Input voltage: 100 – 120VAC @ 60Hz
- Soldering iron: 32VAC output, 90 watt, 200°C to 480°C (400°F to 900°F) temperature range with 1.6mm/1/16" tip
- Desoldering iron (DIA80): 32VAC output, 80 watt, 300°C to 450°C (570°F to 850°F) temperature range, with 1.2mm/0.048" tip
- Temperature stability: ±3°C (6°F)
- Zero voltage switching and full grounded design
- Adjustable temperature w/o changing tips
- Pump controlled by a finger actuated thyristor on desoldering iron
- Automatic power down after 15 minutes of idle as indicated by pause LED
- Self-contained vacuum pump engineered to provide continuous, maintenance free operation
- Dials for temperature settings on both soldering and desoldering iron
- Analog readout for vacuum pressure
- Size: 10.8"W x 12.5"D x 4.1"H

Includes: 104A/105A soldering stands, A-2000-1 soldering stand, DIA80 desoldering iron with #44-915412 tip, 210ESD soldering iron with #44-415404 tip, 5pc. 5" high precision tweezers, AX205 5" micro cutting pliers, steel brush/cotton/foam replacement filters, power cable, and instruction manual

Part No.	Product No.	Description	1	5
1919107	LF-7000	Solder/desolder	\$442.32	\$420.20

High-Powered Desoldering & Soldering Station

- Input voltage: 100 – 120VAC @ 60Hz
- Soldering iron (heater output, power & temperature range): 32VAC, 100W, 200°C to 450°C (400°F to 850°F)
- Desoldering iron (heater output, power, and temperature range): 32VAC, 80W, 300°C to 450°C (570°F to 850°F)
- Temperature stability: ±3°C (6°F)
- Zero voltage switching & fully grounded design
- Adjustable temperature w/o changing tips
- Pump controlled by a finger actuated thyristor on desoldering iron
- Auto power down after 15 minutes of idle
- Detachable soldering iron and desoldering wand
- Self contained vacuum pump engineered to provide continuous, maintenance free operation
- Digital readout for temperature
- Analog readout for vacuum pressure
- Size: 10.8"W x 12.5"D x 6.1"H

Includes: 104A/105A soldering stands, DIA80 desoldering iron, 210ESD soldering iron, steel brush, foam filters, power cord, diagonal wire cutters, 5 high precision tweezers and instruction manual

Part No.	Product No.	Description	1	5
1919115	LF-8000	Solder/desolder	\$488.89	\$464.44

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

Additional Soldering & Desoldering Stations are available online at www.Jameco.com/Soldering



60-Watt Soldering Stations

Designed for soldering situations where precise temperature is required for sensitive components.

- Temperature is maintained at $\pm 6^{\circ}\text{F}$
- Electronic temperature control from 392°F to 878°F
- External calibration port
- CMOS devices protected against voltage spikes
- Power-on and heater-on LED indicators
- Size: 5.1"W x 8.0"D x 4.0"H • Weight: 4.8 lbs.

Includes: One 1/16" tip (P/N 35115 – below)

Part No.	Product No.	Description	1	10	25
236101	XY9-60D/ESD	Digital soldering station – ESD safe	\$109.95	\$99.95	\$89.95
219627	XY9-60A	Analog soldering station	117.35	114.35	112.11
168401	TWZ50ESD	SMD tweezer iron w/ 0.078" tip	74.95	67.46	60.71
168583	46-060102	Tip .078" for P/N 168401	11.95	10.79	9.69
168591	46-060115	Tip .590" for P/N 168401	12.95	11.69	10.49
236460	78-744615	Replacement sponge for both stations	2.99	2.69	2.49



45-Watt Analog Display Soldering Station

Grounded Soldering Tip

- 500°F to 850°F • Fully grounded
- Insulated ceramic heating element for rapid heat-up and heat recovery
- Heater insulation exceeds 100M Ω
- Zero voltage circuitry eliminating high voltage spike and magnetic field generation
- Size: 7.0"L x 4.5"W x 3.5"H • Weight: 2.5 lbs.

Includes: Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

Part No.	Product No.	Description	1	10	25
229673	XYT379-C	45-Watt soldering station	\$59.95	\$53.95	\$48.95
156814	XYB01	Sharp conical chisel 1/32" tip	6.39	5.59	5.22
134631	SP715	Replacement sponge	2.99	2.69	2.49



60-Watt Desoldering & Soldering Station

Special 5% Bundle Savings

Complete ISO 9000 digital station –
 P/N 236101 & 125508
 Sold separately \$409.90

Combined: P/N 207263 **\$388.95**

- Simple fine tune feature to select within 300–850°F range
- Vacuum pump activated "on demand" using finger tip switch on desolder handle
- CMOS devices protected against voltage spikes
- Size: 9.2"L x 7.2"W x 3.6"H • Weight: 13.1 lbs.

Includes: XYD12 tip and solder holder

207271 For use w/ models 136, 136ESD, 137ESD & 988

Blue Part No. = Limited Quantity Available

Part No.	Product No.	Description	1	10	25
125508	968	Desoldering station	\$299.95	\$269.99	\$242.99
207271	TWZ60ESD	SMD tweezer iron with .078" tip	69.95	62.95	56.95
207221	D1A60A	Replacement desoldering iron	74.95	63.71	58.20
168583	46-060102	Tip .078" for P/N 207271	11.95	10.79	9.69
168591	46-060115	Tip .590" for P/N 207271	12.95	11.69	10.49
236460	78-744615	Replacement sponge	2.99	2.69	2.49

Replacement Sponges for Legacy Models

Part No.	Product No.	For Station	1	10	100
134640	SP815	168-3C	\$2.99	\$2.55	\$1.95
134631	SP715	XY-60D, XY-379 & XYT379-C	2.99	2.69	2.49



Economical, High-Performance Soldering Irons

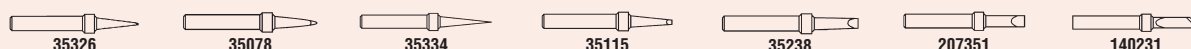
High-quality soldering irons that are suitable for both professional and do-it-yourself applications.

- 25W, 40W & 60W
- 120VAC; 6' cord with 3-prong plug • Length: 9"
- Tips for P/Ns 224611/224602: P/N 226018 conical
- For additional tips see www.Jameco.com.

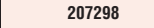
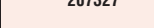
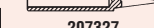
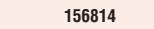


Part No.	Product No.	1	10	25
224611	200PHG-25W	\$9.19	\$7.81	\$5.86
224602	200PHG-40W	9.85	8.87	7.98
195223	200PHG-60W	15.45	14.48	10.86
226018	44-240513 tip	1.20	1.10	.95

Tips & Replacement Parts for XYTronic Soldering and Desoldering Products



			For XYTronic Model Numbers (*Legacy Models)										Pricing		
Part No.	Cross Ref. No.	Description	236101	168401	200739	379	ESD	XY960W	988	99800A	JS928	168-3C	1	10	25
35326	XY401	Soldering tip - conical bevel 1/32"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\$4.49	\$3.95	\$3.65
35078	XY402	Soldering tip - semi-chisel 1/32"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.49	3.95	3.65
35334	XY403	Soldering tip - conical sharp 1/64"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.49	3.95	3.65
35115	XY404	Soldering tip - conical chisel 1/16"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.49	3.95	3.65
35238	XY405	Soldering tip - semi-chisel wide 1/8"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.49	3.95	3.65
207351	XY410	Soldering tip - chisel 3/16"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2.95	2.69	2.39
140231	XY430	Soldering tip - SMD flat pack 7/32"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	8.95	7.95	7.25
156814	XYB01	Soldering tip - sharp conical chisel 1/32"					✓						6.39	5.59	5.22
207327	XYB03	Soldering tip - conical sharp 1/64"		✓			✓						5.45	4.94	4.35
207298	XYB05	Soldering tip - semi-wide chisel 1/8"		✓			✓						4.95	4.49	3.95
35297	XY37	Heating element - (nichrome)			✓	✓		✓		✓		✓	20.95	18.95	16.95
35318	XY48	Assembly - 60W w/ nichrome heater					✓					✓	30.95	27.95	24.95
127634	XYD10	Desoldering tip - 1.0mm (.0394")							✓	✓	✓		8.95	7.61	5.71
127642	XYD12	Desoldering tip - 1.2mm (.0472")							✓	✓	✓		8.95	7.95	7.25
127651	XYD15	Desoldering tip - 1.5mm (.0586")							✓	✓	✓		9.05	8.03	7.32



Test/Tools

Soldering Kit

Includes: 100W soldering gun with extra tip, 30W soldering iron, manual desoldering pump, mini third-hand board/component holder, lead solder, and soldering aid tool.



Part No.	Description	Size	Weight (lbs.)	Price
684596	GSR-600A	13.8"L x 11"W x 3"H	4.0	\$40.69

Vacuum Pen Tools

- ESD safe body
- Picks up components with weight of 1.1 lbs. or less



Part No.	Description	1	10	25
207239	Handivac tool (4 tips and cups)	\$24.19	\$21.77	\$19.59
207247	Pen vac tool (6 tips and cups/aluminum body)	41.75	37.68	33.54

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

Additional Soldering Accessories are available online at www.Jameco.com/Soldering

Solder Spool & Iron Stand

- 4 pc. spool stand (some assembly required)
- Size: 6"L x 3.5"W x 3.1"H
- Sponge size: 1.6"W x 2.4"L
- Shaft diameter: 0.6" • Wt.: 2.0 lbs.



Part No.	Description	1	10	100
169551	Spool & iron stand	\$16.95	\$15.29	\$13.75

Solder Spool Stand

- 12 pc. solder spool stand (some assembly required)
- Size: 3.6"W x 3.9"D x 4.3"H
- Shaft dia.: 0.6" • Weight: 1.6 lbs.



Part No.	Description	1	10	100
141761	Solder spool stand	\$9.15	\$8.12	\$6.09

Solder Bars

- Used with solder pots • Size: 13"L x 0.9"Dia.
- 176057: 60/40
- 170465: 63/37
- 668406: 99.3% tin, 0.7% copper
- 668414: 96.3% tin, 3.2% silver, 0.5% copper



Part No.	Description	Wt. (lbs.)	1	10	25
176057	60/40	1.1	\$12.95	\$11.95	\$10.95
170465	63/37	1.8	19.95	18.95	18.25
668406	99.3/7	2.2	36.49	35.17	33.41
668414	96.3/3.2/5	2.2	81.49	69.27	51.95

300-Watt Solder Pot

Temperature Regulated
Between 420°C and 450°C

- HI/LO temperature switch
- 2 conductor power cord: 5' 9" long
- Holds up to 1 bar of P/N 176057 or 170465, above
- Input voltage: 110VAC @ 2.7A; 50-60Hz
- Size: (unit) 4.8"H x 5.5" Dia. (base) • Weight: 5.9 lbs.
- Size: (tub) 2.4"Dia. x 1.6"D • One-year warranty



Part No.	Description	1	10	25
160304	300W solder pot	\$71.39	\$67.85	\$64.46

600-Watt Solder Pot

Temperature Adjustable

- 2-wire power cord (5'5")
- Temperature: 0°C to 500°C
- Self-regulating temperature
- Input voltage: 110VAC @ 5.5A
- On-off power switch and LED indicator for heat
- Holds up to 3 bars of P/N 176057 or 170465, above
- Size (unit): 6.8"L x 5.5"W x 2.8"H
- Size (tub): 3.9"L x 1.6"D • Weight: 7.4 lbs.
- Includes: Skimmer and removable dross tray



Part No.	Description	1	10
172276	600W solder pot	\$227.95	\$179.06

2000-Watt Solder Pot

- Thermostat control for setting temp. from 50°C to 300°C
- Holds up to 48 bars of P/N 176057 or 170465, above
- 3 conductor pigtail power cord: 5' long
- Input voltage: 110VAC @ 18A, 50-60Hz single phase
- Size (unit): 18.1"L x 11.5"W x 6.0"H
- Size (tub): 12.0"L x 8.0"W x 2.9"H
- Weight: 23.1 lbs. • One-year warranty



Part No.	Description	1	5
149876	2000 watt solder pot	\$399.95	\$299.96

Fume Extractor

Designed to remove solder flux fumes and other workplace fumes from the operator's breathing zone. Uses activated-carbon filter and a high efficiency fan. Air is filtered, cleaned, and returned to the workplace.



- Input voltage: 110 – 120V
- Power: 20W • Arm length: 29"
- Fan specifications: 50dB S/N ratio; 87cfm
- Size: 8.3"H x 8.3"W x 5.3"D
- Weight: 3.3 lbs.

Part No.	Product No.	1	10
667420	GS-630A	\$67.59	\$50.69



Combination 42-Watt Soldering Station and Fume Extractor

- Power consumption: 42W @ 650°F (soldering iron)
- Adjustable knob for temperature control: 500°F to 800°F
- Stability @ idle: ±9°F
- Max. air volume: 95/115CFM
- LED indicator for pilot light
- Electronic zero-voltage switching
- Input voltage: 100-120VAC @ 60Hz
- Size: 6.4"W x 7.8"H x 4.7"D
- Weight: 5.2 lbs.



Includes: Soldering iron, iron holder, sponge, carbon activated filter, power cord and manual

Part No.	Product No.	1	10
183169	456DLX	\$89.95	\$86.29



Fume Extractor

Absorbs noxious lead fumes using activated-carbon filter and a high-efficiency fan

- Operate continuously providing filtered air
- Static ground jack • Fuse protected
- Air flow: 115 CFM • Noise: 49dB fan
- 20VAC, 60Hz, 22 watt
- Aerodynamic hood design for effective removal of solder fumes
- Black anodized aluminum case
- Removable carbon-impregnated filter
- Size: 6.4"W x 4.6"D x 7.9"H
- Weight: 4.6 lbs.
- One-year warranty



Includes: Detachable power cord

Part No.	Description	1	10	25
120150	Fume extractor	\$58.95	\$52.95	\$47.79
127183	Replace. filters (2/pk)	12.95	11.66	10.49

Weller® Fume Extractor

This fume extractor removes flux fumes from the soldering workbench by drawing smoke through an activated carbon filter. With its exceptionally quiet fan, it can process up to 1.37 cubic meters of air per minute and its stand is adjustable allowing it to be set-up in multiple positions.

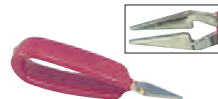


- Voltage: 120VAC
- Sound level: 45-50dB
- Air consumption: 87-107CFM • UL/CUL listed
- Power consumption: 20W • ESD safe
- Absorption capacity: 1.25 cubic meters to 1.37 cubic meter per minute
- Size: 10"L x 6.5"W x 11"H • Weight: 4.2 lbs.

Part No.	Product No.	1	5
684810	WSA350	\$48.89	\$45.99
684828	WSA350F (carbon filter)	7.15	6.79

Clip-On Heat Sink

- Absorbs and dissipates heat during soldering and desoldering sensitive parts
- Size: 2.7"L x 0.7"W



Part No.	Mfr. Part No.	1	10	25
159126	HT156	\$3.05	\$2.71	\$2.45



Heat Sink Compound 4-oz.

This silicone-free compound provides more effective heat transfer. Will not harden, dry out, melt, or contaminate wave-solder baths.



Part No.	Product No.	1	10
169252	1978DP	\$22.39	\$21.52



Heatsink Compounds

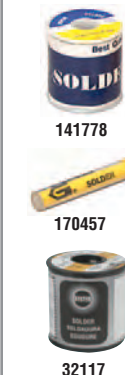
Silicone (29)

Industry standard zinc oxide-filled silicone heatsink grease for most applications. Will not soften at elevated temperatures, dry out or harden. Meets MIL SPEC C-47113



Part No.	Prod. No.	Description	1	10	100
615304	10-8106	1 lb. can	\$30.49	\$28.37	\$25.99
615312	10-8108	6.5 gram tube	2.59	2.39	2.08
615321	10-8109	1 fl. oz. tube	8.29	7.70	6.75

Rosin Core Solder Rolls and Pocket Packs



Part No.	Manufacturer	% Composition				Dia. (in.)	Wt. (lbs.)	Pricing		
		Tin	Lead	Silver	Copper			1	10	50
668078	—	99.3	—	—	0.7	0.04	0.6	\$10.79	\$9.89	\$8.91
668262	—	96.3	—	3.2	0.5	0.04	0.6	19.05	18.10	17.20
668271	—	96.5	—	3.5	—	0.04	0.6	24.75	20.74	19.78
668297	—	96.3	—	3.2	0.5	0.04	1.1	33.95	33.39	32.99
668318	—	96.5	—	3.5	—	0.04	1.1	37.25	36.13	35.05
141786	Super	60	40	0	—	0.031	1.10	13.65	12.42	12.00
141778	Super	60	40	0	—	0.031	2.20	22.29	21.59	20.87
170457	Golden	60	40	0	—	0.031	0.06	1.39	1.25	1.05
32117	Kester	60	40	0	—	0.031	1.00	18.99	16.99	15.31
151474	Kester*	63	37	0	—	0.031	1.00	23.69	21.74	20.12

* Organic core

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Soldering Accessories are available online at www.Jameco.com/Soldering

Heat Sink Compounds

Thermally loaded silicone-based grease that improves transfer of energy across the metal-to-metal interface between transistor or rectifier and heat sink.

- Color: opaque white



167249



236823

Part No.	Mfr. Part No.	1	10	100
167249	THM250 (2 oz.)	\$9.95	\$8.96	\$8.06
236823	54114 (1 oz.)	4.95	4.21	3.15

Soldering Tip Cleaner with Stand and Rosin Paste Flux

156777:

- For cleaning soldering iron tips without the use of water and sponge
- Metal wool for cleaning
- Rubberized base for stability



156777

Part No.	Description	1	10	50
156777	Tip cleaner & stand	\$4.95	\$4.49	\$4.05
160004	Metal wool replacement	2.79	2.49	2.29

No-Clean Desolder Braids

Meets all of the most stringent soldering standards for world-wide application including: MIL-F-142560D Type R, NASA specification NHB5300.4, NPC200-4 and SP-5002.

- Length: 5'



139951



124126

Part No.	Description	1	10	100
139951	.030"W desolder braid	\$3.05	\$2.90	\$2.74
124126	.055"W desolder braid	3.05	2.90	2.74
124118	.075"W desolder braid	3.09	2.95	2.80

ProWick® Desolder Braids

Pure Rosin

Finest oxygen-free and oil-free fine-gauge wire, the 100% copper wick is then coated with flux, which cleans connections thoroughly during desoldering to insure maximum solderability. The thin coating of flux also provides dependable, long lasting protection from oxidation.

- Length: 5'



263695

Part No.	Product No.	1	10	100
263695	1803-5F (0.075"W)	\$2.49	\$2.39	\$2.34
263599	1804-5F (0.098"W)	2.49	2.39	2.34

5' Desoldering Braids

- Easy-to-use, handy dispenser
- Braided copper with flux



41100

Part No.	Description	1	10	100
41081	.079"W braid (5')	\$1.75	\$1.47	\$1.10
41100	.098"W braid (5')	1.59	1.32	1.18
153461	.120"W braid (5')	1.59	1.39	1.25



Hot Air SMD Rework Station with Digital Display

- Incorporates a US made pump – the largest in the industry
- Long life ceramic heater insures accurate and sufficient heat where you need it
- Automatic cooling mode protects the heating element
- Power supply: 100-120VAC or 220-240VAC
- Airflow capacity: 1.5L/min. to 28L/min.
- 310W nichrome heating element
- Electronically controlled temperature system with digital readout in preset and actual temperature
- Hot air temperature range: 100°C - 385°C (212°F - 725°F)
- 25W diaphragm pump • Adjustable air-flow
- Size: 7.4"W x 9.6"D x 5.0"H • Weight: 10.8 lbs.

Includes: Precision 5 pc. non-magnetic tweezer set, 4 focus hood tips (single 2.5mm and 4.4mm pipes, P/N 262895 and 262908)



262967



262844



262941

Part No.	Product No.	Description	1	5
262705	850D	Hot air SMD rework station with 4 focus hood tips	\$395.05	\$375.25
262810	A1135B	Focus hood tip, PLCC 17.5 x 17.5	34.95	26.21
262836	A1137B	Focus hood tip, PLCC 30 x 30	48.95	36.71
262967	A1138B	Focus hood tip, PLCC 30 x 30	48.95	36.71
262895	A1125B	Focus hood tip, QFP 10 x 10	34.59	32.92
262908	A1126B	Focus hood tip, QFP 14 x 14	34.95	33.25
262772	A1128B	Focus hood tip, QFP 14 x 20	34.95	33.20
262916	A1127B	Focus hood tip, QFP 17.5 x 17.5	34.95	26.21
262852	A1261B	Focus hood tip, QFP 20 x 20	49.95	37.46
262844	A1182B	Focus hood tip, BQFP 24 x 24	49.95	37.46
262801	A1129B	Focus hood tip, QFP 28 x 28	49.49	46.99
262887	A1265B	Focus hood tip, QFP 32 x 32	79.95	59.96
262932	A1258B	Focus hood tip, SOP 7.6 x 12.7	34.95	33.25
262941	A1260B	Focus hood tip, SOP 8.6 x 18	34.95	33.25
262975	A1259B	Focus hood tip, SOP 13 x 28	49.95	48.29

PANA VISE PV Jr. Vise

- Jaw opening: 2.8"
- Jaw size: 1" wide x 2" long
- Jaw heat tolerance: 350°F
- Vertical/horizontal jaw grooves
- Fine/course adjusting knob
- Vise height: 6.8"
- The vise neck tilts, turns and rotates
- Base bolt is 4.3" and fits all PanaVise base mounts
- Weight: 1.4 lbs. • One-year warranty



Part No.	Description	1	10
134439	Jr. vise w/ mountable base	\$23.75	\$23.16

PANA VISE Vacuum Vise

- Patented "split ball" feature tilts/turns/rotates through three planes
- Nylon jaws open a full 2.25"
- Powerful suction pad for quick and easy set-up
- Size: 5.0"L x 4.0"W x 6.3"H
- Weight: 3.3 lbs.
- One-year warranty



Part No.	Product No.	1	10
27131	M381	\$55.95	\$53.25

PANA VISE Electronic Work Center

- Circuit board holder, standard base, tray base mount, solder station, sponges and wire holder included
- Size: 8.5"W x 7.8"H
- Weight: 5.3 lbs.
- One-year warranty



Part No.	Description	1	5	10
27060	Electronic center	\$81.15	\$73.05	\$70.62

Third Hand Tools

- Frees hands for soldering
- Two adjustable arms with alligator clip jaws
- 2" diameter magnifying lens
- Quick and easy rotation
- Sturdy, heavy base
- Weight: 0.7 lbs.



681002: With soldering holder and sponge

Part No.	Description	1	10	50
26690	Third hand	\$5.95	\$5.35	\$4.79
681002	Third hand	8.75	7.89	7.15

Clamp Vise

- No tools needed — finger turn to tighten
- Ball cup allows vise to adjust to any angle
- Nylon jaws open 2"
- Size: 10.0"L x 2.5"W
- Weight: 2.1 lbs.



Part No.	Description	1	10
127167	Clamp vise	\$20.79	\$19.71

Committed to You

We're committed to providing you with the best service in the industry.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

Additional Chemicals are available on line at www.Jameco.com/ElectronicDesign



- Safe on plastics
- EPA SNAP approved, no CFCs or HCFCs



Workshop Chemicals



Envi•Ro•Tech™ Duster

Removes microscopic contaminants, lime, dust, metallic oxide, deposits, and other soils without the use of harmful solvents.

Part No.	Description	Wt. (lbs.)	1	12
139900	10 oz. aerosol w/ trigger	0.8 ...	\$8.55	\$8.39
263530	15 oz. aerosol w/ trigger	0.8 ...	12.99	12.35

Envi•Ro•Tech™ Freezer

Rapidly evaporating liquid that can chill to -62°F.

Part No.	Description	Wt. (lbs.)	1	12
139934	10 oz. aerosol can	0.8	\$12.95	\$11.58

ECOLINE Flux Remover

- Dissolves R, RMA, RA, SA & most no-clean fluxes

Part No.	Description	Wt. (lbs.)	1	12
118041	10 oz. flux remover	0.8	\$10.85	\$10.30

ECOLINE Contact Cleaner

- Ideal for switches, relays & other places on electrical connections
- Will not damage switch housings

Part No.	Description	Wt. (lbs.)	1	12
118033	10 oz. contact cleaner	0.9 ...	\$9.99	\$8.94

Isopropyl Alcohol

99.8%+ pure, anhydrous isopropanol for all-purpose cleaning. Excellent for tape head cleaning, removal of fluxes, light oils, polar soils, and white mineral residue.

Part No.	Description	Wt. (lbs.)	1	12
263572	1 pint bottle	1.1	\$10.45	\$9.99

No-Clean Flux Dispensing Pen

The resin and halide-free no-clean flux will leave no residues. It provides optimum wetting over a wide range of surfaces and will not damage commonly used plastics.

Part No.	Description	Wt. (lbs.)	1	5
481764	11.5 ml pen	0.1	\$6.49	\$6.17

Conductive Pen

Contains a fast-drying, silver-filled ink designed to quickly make highly conductive silver traces.

- Repairs traces
- Links components
- Makes smooth jumpers
- Shields components

Part No.	Description	Wt. (lbs.)	1	12
263716	4.89 ml pen	0.1	\$17.19	\$16.39

* Shipped via UPS ground to continental U.S. only

Specialty Enclosures

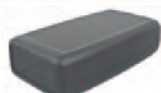
Additional Enclosures are available on line at www.Jameco.com/Proto



A Series



C Series



H Series



M Series



CH Series



S Series



SL Series



R Series

A Series — with PCB Boss Mounts

- 4-piece design
- Interchangeable end panel
- 4-insert areas for customized I-plates

Part No.	Product No.	Color	Batt. Holder	Size (L"xW"xH")	1	10	50
373333	A-21-BK	Black	None	4.25 x 2.60 x 1.12	\$5.65	\$4.50	\$4.15
373368	A-27-BK	Black	None	5.31 x 3.35 x 1.50	8.35	8.29	6.22
373456	A-42-BK	Black	None	7.12 x 5.00 x 1.62	13.09	10.30	9.83
373608	A-42-9V-BK	Black	1-9V	7.12 x 5.00 x 1.62	14.65	11.55	10.99

C Series — with Pinch-Fit for PCBs

- Simple 2-piece design
- 2-insert areas for customized I-plates
- * Translucent

Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50
675331	C-4-BK	Black	2.13 x 1.38 x 0.58	\$2.65	\$2.47	\$2.05
694567	C-8-TR-RD	Red	2.40 x 1.85 x 0.93	4.39	4.16	3.44
675382	C-12-BK	Black	3.75 x 2.40 x 1.00	4.19	3.45	2.58

H Series — Handheld with Built-in Battery Holder

- Ergonomic handheld design
- 5-insert areas for customized I-plates
- * Translucent

Part No.	Product No.	Color	Batt. Holder	Size (L"xW"xH")	1	10	50
374483	H-45-AAA-BK	Black	2-AAA	3.90 x 2.20 x 0.94	\$7.79	\$6.80	\$6.45
694621	H-65-TR-GY	Gray	None	4.94 x 2.75 x 0.94	12.69	11.45	10.55
374512	H-65-AA-BK	Black	2-AA	4.94 x 2.75 x 0.94	7.55	6.70	6.25
374715	H-65-AA-TR-BL	Blue	2-AA	4.94 x 2.75 x 0.94	14.35	11.28	10.75
374723	H-65-AA-TR-GR	Green	2-AA	4.94 x 2.75 x 0.94	14.35	12.20	9.15
374635	H-65-9V-BK	Black	1-9V	4.94 x 2.75 x 0.94	7.59	6.29	6.09
374758	H-65-9V-TR-BL	Blue	1-9V	4.94 x 2.75 x 0.94	13.29	11.09	10.28
675323	H-67-BK	Black	None	4.94 x 2.75 x 1.28	6.85	5.99	5.79
374942	H-67-9V-BK	Black	1-9V	4.94 x 2.75 x 1.28	7.79	6.83	6.26
374601	H-75-4AA-BK	Black	4-AA	7.20 x 3.65 x 1.20	12.55	9.97	9.36

M Series — Handheld with Built-in Battery Holder

- Streamlined handheld design
- 5-insert areas for customized I-plates
- * Translucent

Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50
675438	M-6-BK	Black	4.15 x 2.40 x 0.85	\$7.65	\$6.79	\$6.19
694815	M-6-TR-GY	Gray	4.15 x 2.40 x 0.85	13.55	9.77	9.07
694807	M-6-TR-GR	Green	4.15 x 2.40 x 0.85	13.55	10.75	10.03

Please Note: Images used are representative. Color and shapes may vary by model.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 175.](#)

CH Series — Single Screw Assembled

- Simple 2-piece design
- Insert area for customized I-plate

Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50
675411	CH-8-BK	Black	2.58 x 2.02 x 0.93	\$3.19	\$2.79	\$2.54

S Series — Two-piece Standard Enclosures

- 2-piece design
- 2-insert areas for customized I-plates

† Insert on top is recessed 0.015" on all models designated with an "I"

Part No.	Product No.	Color	Batt. Holder	Size (L"xW"xH")	1	10	50
675454	110-I-BK	Black	None	3.61 x 2.27 x 1.01	\$3.45	\$2.71	\$2.63
675462	111-BK	Black	None	3.61 x 2.27 x 1.51	3.95	3.12	2.95
675471	031-BK	Black	None	4.38 x 3.25 x 0.91	4.75	3.72	3.65
675489	131-BK	Black	None	4.38 x 3.25 x 1.51	5.15	4.05	3.99
675569	211-BK	Black	1-9V	4.10 x 2.60 x 1.51	4.69	4.45	3.34
675497	133-BK	Black	None	4.38 x 3.25 x 2.51	5.79	4.55	4.50
675500	151-BK	Black	None	5.63 x 3.25 x 1.51	5.99	4.69	4.59
675593	251-BK	Black	1-9V	5.63 x 3.25 x 1.51	8.09	6.43	5.75
675518	153-BK	Black	None	5.63 x 3.25 x 2.51	7.55	6.27	5.11
675526	171-BK	Black	None	6.88 x 4.88 x 1.51	8.75	6.79	6.69
675534	172-BK	Black	None	6.88 x 4.88 x 2.01	8.09	7.70	7.31
675542	173-BK	Black	None	6.88 x 4.88 x 2.51	9.75	7.68	7.53
675551	193-BK	Black	None	9.50 x 6.34 x 2.51	13.79	10.85	10.57

SL Series — Sloped Top Enclosures

- Slanted top
- 2-insert areas for customized I-plates

Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50
694698	05-SW-BK	Black	5.63 x 3.25 x 0.91	\$6.79	\$5.64	\$4.79
675606	15-S-BK	Black	5.63 x 3.25 x 1.51	5.99	4.70	4.27
694680	27-S-BK	Black	6.88 x 4.88 x 2.49	9.95	8.22	7.81

R Series — Waterproof Cases

- Lifetime guarantee
- Airtight and UV protected
- Waterproof to 30 ft, dustproof, corrosion proof
- Features auto pressure purge valve, secure lock holes, nut & bolt security, and foam-filled

Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50
675614	R-120F	Black	7.6 x 5.0 x 2.2	\$16.15	\$14.81	\$14.01
675622	R-300F	Black	9.59 x 7.42 x 3.98	30.35	24.70	23.87
675631	R-520F	Black	12.8 x 9.0 x 6.0	49.75	45.99	44.50
675649	R-720F	Black	18.3 x 13.2 x 6.72	88.89	76.61	73.87

Additional Enclosures are available online at www.Jameco.com/Proto

JAMECO ValuePro

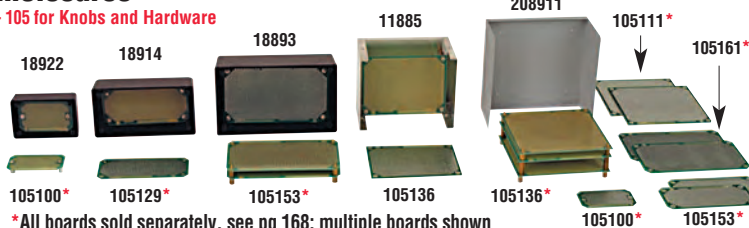
The prototype builder boards on pg 168 are designed to fit into our ABS plastic and aluminum enclosures, metal cabinets and heavy-duty instrument cases. The pre-cut boards have 2 or 4 mounting holes compatible with the PC board mounting hardware listed on pg 168 (P/N 106551).

Board description: Laminated glass epoxy 1/16" thick fire retardant per FR-4 specs. Copper-clad and solder mask one side. Drilled holes: .035" diameter on .080" square pad. Pads spaced on .10" x .10" grid.

JAMECO EXCLUSIVE

Enclosures

See pages 104 - 105 for Knobs and Hardware



*All boards sold separately, see pg 168; multiple boards shown

Call for additional OEM pricing.

ABS Plastic Enclosures

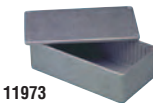
Lid has a lip for precision fit (adds 0.4" height). Complete with four screws and lid. All sizes below are for interior dimensions.



Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
18922	H2855	3.1" x 2.0" x 0.9"	\$3.15	\$2.84	\$2.55	\$2.30
18914	H2853	4.9" x 2.5" x 1.5"	3.69	3.32	2.99	2.69
18893	H2851	6.0" x 3.5" x 1.9"	4.79	4.31	3.88	3.49
18906	H2852	7.5" x 4.3" x 2.3"	7.25	6.51	5.86	5.27

Die-Cast Aluminum Enclosures

Ideal for RF circuits. Made from aluminum, an excellent heat-sink, these cases are great for high temp circuits (up to 600°C). Complete with screws.



Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11957	B5002	3.9" x 2.0" x 1.0"	\$5.95	\$5.39	\$4.85	\$4.35
11965	B5004	4.7" x 2.4" x 1.6"	8.99	8.10	7.29	6.56
11973	B5006	7.5" x 4.3" x 2.4"	16.75	15.08	13.56	12.21

Aluminum Enclosures

Put them in an economical aluminum enclosure. The enclosure comes in two pieces which slide together.

QUANTITY SAVE



Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11870	B2300	4.0" x 2.0" x 2.8"	\$5.95	\$5.25	\$4.49	\$3.49
11885	B2320	5.0" x 4.0" x 3.0"	9.55	8.80	7.95	6.95

Metal Enclosures

- Mounting screws and rubber feet included
- Glossy black textured steel top cover and ivory aluminum base



Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
208901	B2741A	4.0" x 3.3" x 2.2"	\$5.95	\$5.25	\$4.49	\$3.95
208911	B2743A	5.9" x 5.3" x 3.0"	9.09	8.20	7.40	6.71
208929	B2744A	7.3" x 6.3" x 2.8"	10.15	9.14	7.31	6.42
209350	B2746A	6.3" x 7.8" x 2.5"	11.95	9.95	8.95	7.25
209358	B2747A	7.5" x 9.8" x 3.2"	17.99	16.19	12.25	9.25

ABS Heavy-Duty Instrument Cases

P/N 18877 includes ventilation and speaker sound slots. • Color: gray



Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
18869	H2505	7.9" x 6.3" x 2.5"	\$7.89	\$7.10	\$6.39	\$5.75
18877	H2507	10.0" x 7.5" x 3.1"	9.15	8.15	7.43	6.68

ABS Enclosures w/ Clear Tops

Includes screws for mounting boards or electronic components, rubber gasket for a tight seal on your equipment & drilled holes for mounting.



Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
141832	203C1	4.6" x 3.2" x 1.8"	\$9.99	\$8.99	\$7.20	\$5.40
141841	203D1	6.5" x 3.4" x 2.2"	11.15	10.04	9.06	8.12
141859	203F1	7.3" x 5.7" x 3.0"	11.99	10.99	9.99	8.99

JAMECO ValuePro

Component Cabinet



- Drawer can be divided into 3 sections (clear)
- Wall mountable cabinet (ABS black)
- Cabinet size: 6.0"D x 14.7"W x 7.4"H
- 319601:** 5.5"L x 2.7"W x 1.5"H **319611:** 2.5"W x 1.2"H
- Includes:** 20 clear plastic drawers, 20 dividers and 30 adhesive I.D. labels

JAMECO EXCLUSIVE

QUANTITY SAVE

* Prepackaged: please order in increments of 10

Part No.	Description	1	10	50
319600	Component cabinet	\$15.95	\$13.95	\$12.49
319601	Drawer for cabinet	.69	.49	.39
319611	Divider for cabinet	*	.20	.15

JAMECO ValuePro

Plastic Fliptop Boxes

- Clear plastic box with a clear plastic lid and removable dividers
- 100256:** Size: 8.4"L x 4.5"W x 1.4"H
- 18 compartments (1.4" x 1.5" each)
- 148902:** Size: 10.2"L x 4.7"W x 1.6"H
- 12 compartments (1.7" x 2.3" each)



Part No.	Description	1	10	100
100256	18 compartments	\$2.25	\$1.95	\$1.75
148902	12 compartments	3.99	3.59	3.19

JAMECO ValuePro

Plastic Fliptop Case for SMDs

- 128 compartments • Color: gray
- 8 rows x 16 columns grid
- Fliptop openings on each bin
- Padded cover locks bins closed
- Perfect match to store P/N 156882 SMD resistor assortment, pg 45
- Size: 11.0"L x 8.3"W x 1.7" Thick
- Includes:** Labels for each bin



Part No.	Description	1	10
164267	SMD fliptop case	\$49.95	\$44.99

Place your order by 6PM EST for same business-day shipment.



Bug Boxes

- Anti-static plastic
- Fits in bug cage (P/N 11332, below)
- Box size: 4.9"L x 3.3"W x 0.6"H • Color: blue
- P/N 11341: stores sixty 8-pin or thirty 16-pin DIPs
- P/N 11375: designed to store all types of components

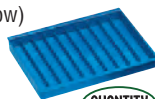


Part No.	Description	1	10	100
11341	30 compartments	\$5.95	\$5.49	\$4.85
11375	30 compartments & 3 horizontal dividers	4.29	3.95	3.65



Bug Tray

- Fits in bug cage (P/N 11332, below)
- 10 compartments
- 3.2"L x 0.4"W x 0.4"H ea.
- Tray size: 4.8"L x 3.6"W x 0.5"H
- Color: blue

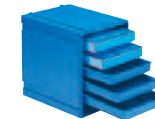


Part No.	Description	1	10	100
11800	Divided bug tray	\$6.39	\$5.43	\$4.07



Bug Cage

- Holds bug boxes or trays
- Modular and interlocking
- Case size: 5.0"L x 3.9"W x 5.1"H
- Color: blue



Part No.	Description	1	10	100
11332	Bug cage	\$8.95	\$8.02	\$7.22

For complete selection of 3M products



Visit us online at www.Jameco.com

Prototyping PC Boards

3 LEVELS OF SAVINGS
FRANCHISE SOURCED JAMECO HOUSE BRANDS FACTORY OVERRUN

Additional PC Boards are available online at www.Jameco.com/ElectronicDesign

General Purpose Prototyping Boards

Select the prototype board that fits your needs from our comprehensive product listing. Prototyping boards with punched holes are convenient, economical tools for assembling circuit components and trying cost-effective alternatives to custom designs.

- 0.062" board thickness
- 0.1" hole spacing
- 0.08" pad size
- PCB material epoxy glass
- Plated through pads are double-sided

See PCB enclosures on pg 167, and mounting hardware (recommend P/N 106551) below

Part No.	Cross Ref. Number	Size (W" x L")	Fits Enclosure(s) (see page 167)	Circuit Pattern	Hole Pads	# Holes x Dia. †	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Wt. (lbs.)	Pricing			
											1	10	50	100
105100	2855PCB	1.60 x 2.70	18922	B	Single-sided	288 x .035"	None	None	2 x .115"	.02	\$5.25	\$4.73	\$4.25	\$3.83
105101	5002PCB	1.50 x 3.50	11957	C	Single-sided	365 x .038"	4	None	2 x .140"	.02	5.95	4.95	4.25	3.49
263186	PCB-403	1.80 x 3.10	18922	B	Plated through	300 x .042"	None	None	4 x .115"	.03	6.95	6.25	5.63	5.09
105129	2853PCB	2.00 x 4.40	18914, 11965	C	Single-sided	669 x .038"	4	None	4 x .140"	.03	7.95	7.15	4.95	3.95
105111	2300PCB	2.40 x 3.40	11870	C	Single-sided	637 x .038"	4	None	2 x .140"	.03	7.95	7.15	5.72	4.29
263206	PCB-463	2.40 x 4.10	N/A	B	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	7.95	6.95	5.95
28177	PCB1	2.42 x 4.10	18914	C	Plated through	674 x .040"	None	None	4 x .120"	.04	5.95	5.36	4.29	3.22
263215	PCB-858	2.50 x 4.50	18914	D	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	8.06	6.45	4.84
105153	2851PCB	3.10 x 5.50	18893	C	Single-sided	1450 x .035"	7	None	4 x .140"	.07	9.95	8.95	7.96	5.97
263223	PCB-69	3.30 x 3.70	N/A	B	Single-sided	900 x .042"	None	None	4 x .120"	.05	8.95	8.06	6.45	4.84
105136	2320PCB	3.30 x 4.50	11885	C	Single-sided	1266 x .035"	4	None	4 x .140"	.06	8.95	7.95	6.95	5.95
105161	2852PCB	3.60 x 7.00	18906, 11973	B	Single-sided	2225 x .035"	4	None	4 x .140"	.10	13.95	12.49	10.95	9.95
206587	2746APCB	4.30 x 6.80	209350	C	Single-sided	2550 x .042"	5	None	4 x .140"	.07	11.95	10.95	9.95	8.95
21435	JE401(8001)	4.50 x 6.50	18869	B/D	Single-sided	2360 x .042"	2	None	None	.12	21.95	19.76	17.78	16.00
21532	JE417	4.20 x 6.50	—	C	Plated-through	2126 x .042"	2	D-sub 9/15/25/37	8 x .120"	.12	16.95	14.95	13.49	11.95
21451	JE405(8003)	4.50 x 6.50	18869	C	Single-sided	2360 x .042"	1	None	None	.12	17.95	15.95	12.95	10.95
206578	2743APCB	4.60 x 4.30	208911	C	Single-sided	1684 x .042"	5	None	4 x .140"	.07	7.25	6.25	5.25	4.49
105180	2505PCB	5.00 x 6.50	18869	C	Single-sided	2829 x .035"	7	None	8 x .120"	.13	14.95	13.45	10.76	8.07
28194	PCB3	5.00 x 8.00	18877	C	Plated through	3705 x .042"	4	Mounting area-I/O	4 x .120"	.17	24.65	22.16	19.94	18.19
21478	JE407(8006)	5.00 x 13.25	N/A	B	Plated through	6063 x .038"	None	None	8 x .120"	.28	41.25	37.25	27.95	20.95
206594	2747APCB	5.50 x 8.00	209358	C	Single-sided	3906 x .042"	5	None	4 x .140"	1.0	12.95	11.95	10.95	8.95
105187	2507PCB	6.10 x 8.80	18877	C	Single-sided	4771 x .035"	7	None	8 x .140"	.21	19.95	17.95	15.95	13.95
263232	PCB-7038	8.30 x 11.9	N/A	B	Plated through	8819 x .042"	10	5	4 x .115"	.40	55.95	50.36	40.29	30.22

* PC/XT 8-bit

VECTOR ELECTRONIC COMPANY

Vector Prototyping Boards

43140	64P44XXXP	4.50 x 6.50	18869	A	Drilled only	2860 x .042"	None	None	None	.09	\$7.75	\$7.05	\$6.99	\$6.91
52943	84P44WE	4.50 x 8.50	18877	A	Drilled only	3740 x .042"	None	None	None	.15	11.95	11.05	10.95	10.85
37604	169P44WE	4.50 x 17.0	N/A	A	Drilled only	7524 x .042"	None	None	None	.31	21.35	20.28	19.27	18.31
37612	169P44XXXP	4.50 x 17.0	N/A	A	Drilled only	7524 x .042"	None	None	None	.25	15.65	14.99	14.40	13.92
37621	169P84WE	8.50 x 17.0	N/A	A	Drilled only	14,448 x .042"	None	None	None	.53	28.99	27.56	26.73	25.93
106551	20 pieces; PC board mounting hardware (4 spacers, 8 screws and 8 washers) used with all above boards (manufacturer may vary)										2.85	2.61	2.30	2.14

PCB material: phenolic

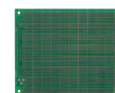
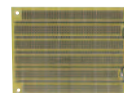
† All 0.042" diameter hole boards use terminals P/Ns 34147 and 34155 (below), P/N 34163 (see web)

PT Series Prototyping Boards

Accommodates any mixture of 0.3" to 0.6" wide IC's with any number of pins, and any combination of resistors, capacitors, diodes, transistors, etc.

- 4 power buses that connect to a power jack (recommended P/Ns 101178 & 101186, pg 88)

Part No.	Cross Ref. No.	Size	Hole Pads	# Holes x Dia.	# Mntg Holes x Dia.	1	5	10
645677	PT-35X25	3.5"L x 2.5"W	Double-sided	456 x .036"	4 x .140"	\$19.79	\$18.77	\$18.45
262511	PT-5X37	5"L x 3.7"W	Double-sided	1135 x .036"	4 x .140"	24.75	22.95	21.79
262537	PT-6X49	6"L x 4.9"W	Double-sided	1931 x .036"	4 x .140"	39.09	37.73	34.04



262511

262537

645677

VECTOR ELECTRONIC COMPANY

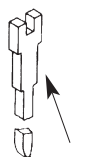
Wire Wrap and Push-In Terminals

For .042" Diameter Holes

- Material: copper alloy
- Prebagged 100 pcs.
- 34147: Push-In Micro-Klip Terminals**
- Overall length: .36"
- Post size: .032" x .045"
- 34155: Miniwrap Wiring Terminals**
- Shoulder: .045"
- Two-prong with square tail for wire wrapping
- Overall length: .69"
- Post size: .025"Sq.



34147



34155

Part Number	Product Number	Height Above .062" Board	Length Below .062" Board	100 pc. units	
				1	10
34147	T421	.200	.097	\$10.99	\$9.66
34155	T44	.065	.530	11.45	9.80

GC ELECTRONICS

Prototype Boards

Experimenter's Phenolic Prototype Board

Excellent for use in prototype building, experimenting, hobby or science projects and kit building. 0.03" punched holes on 0.150" centers.



Part No.	Product No.	Description	Size	1	10	50
616673	22-512	Single land patt.	6.75"L x 3.38"W x 1/16"Th	\$5.29	\$4.76	\$4.28

Versa Strip Phenolic Prototype Board

- Alpha-numeric indexing
- Silver-plated land patterns
- Predetermined short tracks for multi-IC work
- 0.035" diameter holes
- 0.1" centers



Part No.	Product No.	Size	1	10	50
616622	22-502	3.5"W x 6"L x 1/16"Th	\$7.99	\$6.49	\$6.06

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 175.

Additional Prototype Boards are available online at www.Jameco.com/Proto

GC ELECTRONICS Prototype Boards (Cont.)

Perforated Bare Phenolic Prototype Board

Unexcelled for prototypes, breadboards, hobby or science projects. Bare phenolic board with no copper clad.

- 0.093" dia. holes, 0.265" spacing
- Size: 6.0"L x 4.5"W x 1/16"Th

Part No.	Product No.	1	10	50
616690	22-516	\$5.85	\$5.45	\$4.81

GC ELECTRONICS Circuit Boards

Bare Copper Circuit Boards – Single Sided

1 oz. copper on base of either fiberglass or reinforced epoxy board.

- 1/16" Thick

Part No.	Product No.	Size	1	10	50
616471	22-250	3" x 5"	\$2.15	\$1.99	\$1.76
616489	22-260	4" x 6"	3.59	3.35	2.95
616497	22-261	6" x 6"	4.99	4.66	4.11
616500	22-263	6" x 9"	5.69	5.32	4.69
616518	22-264	8" x 10"	8.89	8.32	7.34
616534	22-268	11" x 14"	19.95	17.75	15.09

JAMECO ValuePro Copper-Plated Blank Circuit Boards

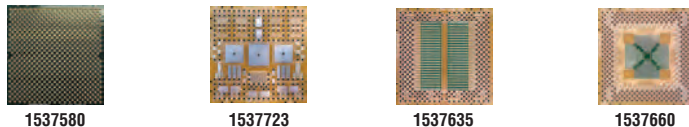
Ideal for hobbyists & students doing prototypes of circuits. Single and double-sided boards are copper plated.

- 1.6mm thick

Part No.	Cross Ref. No.	Description	Fig.	Size (L" x W")	1	10	50
169279	PCBS3X6	Single sided	3	3.0 x 6.0	\$3.49	\$3.14	\$2.36
169288	PCBS6X6	Single sided	2	6.0 x 6.0	4.95	4.46	3.56
169296	PCBS12X12	Single sided	1	12.0 x 12.0	13.49	12.14	10.93
169309	PCBD3X6	Double sided	3	3.0 x 6.0	5.25	4.46	3.35
169317	PCBD6X6	Double sided	2	6.0 x 6.0	7.95	7.16	5.72
169325	PCBD12X12	Double sided	1	12.0 x 12.0	18.95	17.02	15.32

SchmaltBOARD™

The only prototyping system that allows one to work on one circuit block at a time, test the blocks individually, and then connect the blocks together. This is why the system is called "Electronic Circuit Building Blocks."



Thru Hole Boards

Part No.	Product No.	Description	Price
1537580	201-0001-01	0.1" center spacing w/ 0.5" offset, 12 ground holes	\$5.49

Discrete Surface Mount Boards

Part No.	Product No.	Description	Price
1537723	202-0035-01	SOT23-3/5/6/SC70-5/6/PAK/D2PAK/SOT23/220/263-7/SOT89/0805/1206 discrete in case size A/B/C/D/E	\$10.99

SO/SOP Boards

Part No.	Product No.	Description	Price
1537635	202-004-01	4-56-pin SOIC w/ 0.05" pitch, 0603 and thru hole components, 12 ground holes	\$10.99
1537643	202-0007-01	Up to 72-pin SO/SOP/QSOP/SSOP/TSSOP/PSSOP w/ 0.5mm pitch, 0603 & 0805 discrete, 6 ground holes	10.99

For more SchmaltBOARD Prototyping Boards visit www.Jameco.com

If you're not satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 175.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

3 LEVELS OF SAVINGS
 FRANCHISE SOURCED
 GENERIC & NON-FRANCHISED
 JAMECO HOUSE BRANDS
 FACTORY OVERRUN

For more Prototype Boards visit www.Jameco.com/Proto

169

GC ELECTRONICS Circuit Boards (Cont.)

Assortment Single-Sided Bare Boards

- (1) 2" x 4.5"; (1) 3" x 4.5"; (2) 2.25" x 3"

Part No.	Product No.	1	10	50
616551	22-272	\$5.49	\$5.13	\$4.51

Positive Pre-Sensitized Circuit Boards

1 oz. copper on 1/16" epoxy glass board, UL94V-0 rated. High quality positive pre-sensitized board is double protected from light and handling damage. The peel-off coating protects the board while handling or cutting prior to exposure.

Single-Sided Boards

Part No.	Product No.	Size	1	10	50
616243	21-332	3" x 4"	\$5.35	\$5.05	\$4.79
616251	21-334	4" x 6"	6.29	5.35	4.99
616260	21-336	6" x 6"	6.99	5.99	5.58

Double-Sided Board

Part No.	Product No.	Size	1	10	50
616307	21-353	6" x 9"	\$11.69	\$11.10	\$10.54

DATAK Pre-Sensitized Circuit Board & Developer

- Pre-coated circuit board
- Size: 3.0"L x 4.0"W x 1/16"Th

Includes: Instructions

Part No.	Description	1	10	25
156751	Single sided	\$5.19	\$4.72	\$4.15
156734	4 oz. pos. developer*	6.95	5.95	4.95

DATAK Dry Concentrated Etchant

- Makes one pint of etch solution

Part No.	Product No.	1	10	25
70201	ER3*	\$4.55	\$3.94	\$3.59

*Shipped via UPS ground – Available continental U.S. only

Plastic Pump Bottle

- 6 oz. bottle
- ESD compliant
- Plastic bottle with dispenser cover

Part No.	Description	1	10	50
158131	Pump bottle	\$10.95	\$9.95	\$8.95

Surfboards®

Part No.	Product No.	1	10
207360	9081 (For 8-pin SOIC)	\$1.35	\$1.22
207378	9082 (For 8-pin SOIC)	3.95	3.77
207394	9163 (For 14/16-pin SOIC; 0.1" pin spacing; 0.65"H)	5.45	4.79

Mini Breadboards for Surface Mount Devices.

Application Specific Adapter

Part No.	Product No.	Accepted Devices	Pins	1	10
207597	33206	SOT-23-6/SOT-23-L/SC-59-6/TSP-6	6	\$1.95	\$1.69

CHIPSCALE (QFN) Boards

Blue Part No. = Limited Quantity Available

Part No.	Product No.	Description	Price
1537686	202-0017-01	Supports 10 & 32 pin w/ 0.5mm pitch	\$10.99
1537707	202-0020-01	Supports 64 pin w/ 0.5mm pitch	\$10.99

QFP Boards

Part No.	Product No.	Description	Price
1537651	202-0009-02	Up to 64 pins QFP, TQFP, PQFP w/ 0.8mm pitch & 0603 discrete, 22 ground holes	\$10.99
1537660	202-0011-01	32-100 pins QFP, TQFP, PQFP w/ 0.5mm pitch & 0603 discrete, 6 ground holes	10.99

I/O and Power Boards

Part No.	Product No.	Description	Price
1537820	201-0108-01	RJ11 or RJ45 & one USB-B conn., 8 ground holes	\$2.75

Accessories

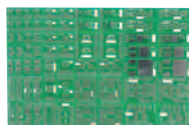
Part No.	Product No.	Description	Price
1537766	920-0007-01	100 pcs. 22AWG 7" jumper wires & 20-pin headers	\$5.49
1537774	920-0008-01	100 pcs. 22AWG 3" jumper wires	41.89
1537791	920-0010-01	100 pcs. 22AWG 7" jumper wires	41.89

Additional Prototyping Boards are available online at www.Jameco.com/Proto

BELLIN DYNAMIC SYSTEMS, INC. Surface Mount Proto Boards

Prototyping SMT circuit boards has been tedious and time-consuming because surface mount devices are so small. Now there is an easy, cost-effective and versatile Snap-Apart™ solution from Bellin Dynamic Systems.

- Quality silk-screened and solder-masked boards
- V-groove scoring between elements for smooth straight edges
- Compatible w/ .100" single or dual row male headers (see pg 70)
- Size: 7.6"L x 5.0"W
- Board thickness: 0.031"
- See our website (www.Jameco.com) for additional specifications



215491



Portion of 681133



Application example using 215503

Small SMT

Part No.	Prod. No.	Board Description	1	10
215491	B502	160 SMT pattern, SOT/SOIC/TSOP/MSOP/DPK and more	\$45.95	\$41.35
227344	B513	300 SMT pattern, SC90, SOT23-6, 323-6, TSOP, MSOP8, 10+	\$45.95	\$41.35

SOIC

215520	B505	60 SOIC SMT pattern, SOIC 8, 14, 16, 24, 32, 40 and more	\$45.95	\$41.95
227310	B510	140 SMT pattern, SOIC 8 to DIP .300" width	45.95	41.35
227328	B511	63 SMT pattern, SOIC n/w/d 8, 14, 16, 18, 20 to DIP .300"	48.25	36.18
227352	B514	72 SMT pattern, SOIC narrow 8, 14, 16, 18, 20 to DIP .300"	45.95	41.09
227361	B515	30 SMT pattern, SOIC 24, 28, 32 to DIP .600" width	45.95	41.09

Fine Pitch Dual Row

215503	B503	34 SMT pattern, SOIC/QSOP/TSOP/MSOP/TSSOP and more	\$45.95	\$41.35
227281	B507	40 SMT pattern, SSOP/TSSOP 16, 20, 32, 40 and more	45.95	41.35
323889	B516	54 SMT pattern, 0.65mm TSSOP 14/16/20/28 to DIP 0.300/0.600	62.49	56.25
681141	B536	4 SMT pattern, 0.5mm TSSOP 14/16/20/28	45.05	40.67

Quad

215511	B504	25 SMT pattern, QFP32, 44, 48, 52, 54, 64, 70, 80, 100 PLCC18, 20, 28, 32, 44	\$45.95	\$41.35
336479	B530	8 SMT, 0.65/0.80mm QFP/MLF 8 - 80 pins (even # of pins/side)	43.65	41.45
681150	B535	8 SMT, 0.40/0.50/0.65/0.80mm QFP/QFP/MLF/MLP 4/8/12/16/24/28/32 pins	45.95	41.45

PitchStick™

681133	B534	2 SMT pattern, 48 inline pads, 19.69/25.59 mil pitches	\$45.05	\$40.67
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Kits

Part No.	Prod. No.	Description	Price
681168	KIT-100	1 each of B500, B502, B503, B504, B505, B507	\$168.25
681205	KIT-302	1 each of B504, B505, B507, B508, B510, B513, B514, B515, B516, B517, B518, B519, B535, B536, B537 & 3 of B500	524.65

When to Mix Apples & Oranges

Clearly we know that DIP sockets were devised for DIP semiconductors and SMT semis mount straight onto the PCB. We also know that prototyping SMT devices is much more difficult than DIP because of the package.

So how do you make prototyping SMT-only products much faster and easier? Just use a DIP socket! No, I'm not writing crazy talk... check out the Bellin Dynamic Systems SMT proto boards, above. Simply solder your devices to these carrier boards once. The DIP pins on the underside plug into your DIP sockets, so you can plug and exchange them like lego building blocks and then reuse them in future prototyping endeavors.



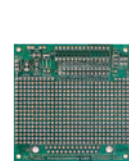
Practical Practices
 Money Saving Tips for the Engineer

microEngineering Labs "PICProto" Prototyping Boards

- Holds microcontroller, 5V regulator, oscillator, capacitors and DB9-25 connector
- Double-sided board with plated-through holes
- Large prototyping area
- Silkscreen legend
- Solder mask on both sides makes soldering easy



132644



132636



132652

Includes: Documentation sheet with schematic, suggested parts and placement

PICProto 18, 18L: All 18-pin PICs including PIC16C52, 54, 56, 58, 55A, 55B, 61, 620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83 and 84

Part No.	Description	Size (L" x W")	1	10
132644	PICProto 18	3.0 x 1.5	\$9.95	\$8.95

PICProto 3: For the 28-pin PIC16C62, 63, 642, 66, 72, 76, 773, 16F73, 76, 870, 872, 873, 876, 18C242 and 252

132636	PICProto 3	3.0 x 3.0	\$13.89	\$12.52
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PICProto 64: For the 40-pin PIC16C64, 65, 662, 67, 74, 77, 774, 16F74, 77, 871, 874, 18C422 and 452

132652	PICProto 64	4.0 x 3.0	\$16.95	\$12.72
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microEngineering Labs Experimenter's Module Board

Provides an assembled test bed containing most of the circuitry commonly used with PICmicro microcontrollers. Many different projects may be created using the LAB-X1, including calculator, voltmeter, LCD backpack, tone dialer and RC servo controller.



- 40-pin ZIF socket for PICmicro MCU (not included, recommend PIC16F877-20/P (P/N 176882, pg 3)
- Reset button • 16 switch keypad • 3 potentiometers
- LED bargraph • 2 RC servo connectors
- 2 lines x 20 characters LCD module • Speaker
- RS232 interface • Size: 5.5" x 5.6" • One-year warranty
- Socket for I2C & SPI serial EEPROM, RS485 interface, Microwire serial EEPROM and real time clock/serial analog to digital converter (devices not included)
- EPIC in-circuit programming connector
- Prototyping area for additional circuit

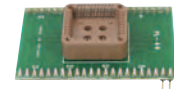
Requires: AC adapter (below)

⊕ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
169113	LAB-X1 experimenter board	\$199.95	\$189.95
176882	PIC16F877-20/P microcontroller (pg 3)	9.29	8.05
127976	AC adapter (details on pg 170)	5.99	5.66
1581222	LAB-X1 Tutorial & Resource Book ⊕	49.95	48.95

PLCC Prototype Adapter

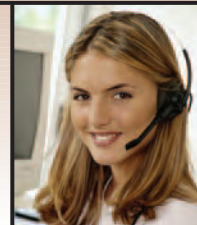
- PCB construction • Tin-plated PLCC connector
- Gold-plated round pins
- PLCC socket slotted for PLCC chip remover
- PLCC socket identifies pin 1 and orientation key
- Silkscreen numbers identify pin numbers in groups of 5 and 10



Part No.	Pins	Size (L x W)	1	10	100
73541	44 ⊕	2.3" x 1.6"	\$11.95	\$10.79	\$9.69

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to NewProducts@Jameco.com.



Additional IC Programmers are available online at www.Jameco.com/ElectronicDesign

microEngineering Labs EPIC Plus PICmicro Programmer

The EPIC Plus Programmer quickly and easily programs the PIC12Cxxx, 12CExxx, 16C505, 16C55x, 6xx, 7xx, 84, 9xx, 16CE62x, 16F62X, 7x, 8x, 87x, 14C000, 17C7xx, 18Cxxx microcontrollers from Microchip. The basic programmer includes an 18-pin socket for programming 8, 14 and 18-pin PICmicro MCUs. Devices available separately on page 3.

- Simple installation with parallel port (printer) interface
- Command line operation for automated, non-interactive programming

Requires: Two 9V batteries or AC adapter (below)

Part No.	Description	1	10
132679	EPIC Plus PICmicro programmer	\$55.75	\$50.18
136397	8/18/20-pin ZIF adapter	34.95	31.95
132610	40/28-pin ZIF adapter	34.95	31.95
162317	AC wall adapter (16VDC/500mA, details on pg 132)	10.49	9.18
67256	6" DB25 cable (details on pg 58)	7.75	6.95



microEngineering Labs PICBasic Pro Compiler

- Compatible with most PICmicro MCU programmers including EPIC plus
- Use in DOS or Windows® (includes Windows® editor/DE software)
- I²C instructions to access external serial EEPROMs
- Direct and library routine access to any pin or register
- Automation page boundary handling past 2k
- Bit, byte, word arrays • Real if...Then...Else...End if
- Hierarchical expression handling • Built-in LCD support
- Interrupts in BASIC & assembler • BASIC Stamp I & II library
- MPLAB/MPASM/ICE compatibility
- Supports 12C5xx, 12C67x, 12CE67x, 14C000, 16C5x, 16C55x, 6xx, 7xx, 84, 92x, 16CE62x, 16F62x, 7x, 8x, 87x, 17Cxxx and 18Cxxx microcontrollers

Part No.	Description	1	10
150543	PICBasic Pro compiler	\$249.95	\$224.95



microEngineering Labs USB PIC Programmer

The new and improved model of the popular MELABS USB programmer now offers even more features than before. More than 300 PIC microcontrollers are supported and support for future devices can be added via FLAS firmware updates. Intelligent voltage regulation allows programming of the new, low-voltage PIC® MCUs as well as standard 5V devices. The programmer is powered through the USB port thus no external power adapter is required.

- Fast full speed USB data transfer • HID interface
- Standard USB cable (Type A male to Type B male)
- Full featured, command-line operation
- Automatic Vdd and Vpp adjustment for different PIC MCUs
- Dual color indicator shows ready/busy states
- In-Circuit Serial Programming (ICSP) connector for interface to project board
- Compatible with microchip HEX format files & all programming adapters

Part No.	Description	1	10
1942382	USB PIC programmer	\$89.95	\$85.45
1942606	840Z ZIF adapter	39.95	37.95



NEW
MARKED IN PINK

www.Jameco.com

Our enhanced website offers thousands of additional products. Find products quickly and order them easily.

High-Speed Universal Device Programmer/Tester

Parallel Port Interface

- Programs Flash memory, PROM, EPROM/EEPROM, Serial (E)EPROM, Bipolar PROM, PAL, PALCE, GAL, NVRAM, PEEL, EPLD, SPLD, CPLD, PIC & MCU
- 8000+ device types supported
- Tests TTL, CMOS, DRAM and Static RAM ICs
- Supports POF and JEDEC formats
- Hardware diagnostic program examines all 48-pin drivers
- On-board FPGA for speed; 4X faster than offshore brands
- High-speed device function tests and user creatable test library
- Protects hardware circuits from improperly inserted or defective chips
- Read, blank check, program, verify, checksum, data compare, security, auto (erase, blank check, program, verify), and option bit program function
- Built-in editor for both buffer date and test vectors • CE/CUL/CSA quality certified

Includes: Parallel cable, installation diskette, power cord and manual

System Requirements: IBM PC, XT, AT, 386, 486, Pentium®, hard drive, 512k RAM, Windows® 95/98/2000/NT, and parallel port

Part No.	Description	Socket	1	5
207765	TOPMAX	48-pin universal ZIF	\$975.15	\$926.35

ee Tools



MADE IN USA

Fast Low-Cost Universal Device Programmers

USB Interface

- Universal device (13000+) support includes the latest NAND Flash Memory, standard Flash Memory, EPROM, EEPROM, serial PROM, GAL, FPGA, and MCU
- On-board FPGAs for extremely fast communication
- Supports real low-voltage support: 5, 3.3, 2.7, and 1.8 volt for programming power
- Detects all pin locations for poor or damaged pin contacts
- External "Start" key allows customer to execute the optional auto program parameters without PC command
- Current limiting protects hardware circuit from improperly inserted or defective chips and operation errors • External switching power supply, 110-240VAC
- Support a high-speed USB2.0 port for PC interface
- Support a standard IEEE-1149.1 (JTAG) port

Includes: USB cable, wall adapter, program CD and manual

System Requirements: IBM PC 386/486, Pentium® or compatibles with USB port, Windows® 98/Me/2000/NT/XP, hard drive, 512K RAM

Part No.	Description	Socket	1	5
694866	CHIPMAX 2	48-pin ZIF	\$629.95	\$599.95

ee Tools



MADE IN USA

Parallel Port Interface

- 5000+ device types supported including (E)EPROM, PROM, Serial PROM, PALCE, GAL, Flash memory, microcontrollers, ATF

Includes: Parallel cable, wall adapter, diskette and manual

System Requirements: IBM PC, XT, AT, 386, 486, Pentium® or compatibles, DOS 2.11 or greater, Windows® 95/98/2000/NT/XP; hard disk, 512k RAM & parallel port

Part No.	Description	Socket	1	5
207731	CHIPMAX	40-pin ZIF	\$349.95	\$332.95

NEW
MARKED IN PINK

XELTEK 3400+ Device, 40-Pin Programmer

- Supports 3400+ devices, including most E(E)PROM, Series E(E)PROM & Flash
- Programs GALs, PEELs, PALCE, Microcontrollers, PIC16Cxx/17Cxx, COP87xx, and PSD3XX
- Tests TTL/CMOS Test, Memory Test, Vector Test, Test Pattern Edit, Auto Identify TTL/CMOS Device
- Features a universal ZIF socket that accepts up to 40 pins
- High-speed programming, cost-effective hardware and flexible software
- Load and save file in binary, Intel (extended) Hex, Motorola S or Tektronix (extended) Hex format. Multiple load, format conversion, relocation etc.
- HEX-ASCII Edit, Fuse Map Edit, Checksum, Swap, Vector Table edit
- Supports Windows® 9x/NT/2000/XP • Printer Port Interface
- Size: 7.8"L x 5.5"W x 0.8"H • Weight: 4.0 lbs.

Includes: Power adapter, parallel cable, manual and CD-ROM software

Part No.	Description	1	5
231183	SuperPro-Z universal programmer	\$275.95	\$265.95



Additional IC Programmers are available online at www.Jameco.com/ElectronicDesign

42,000+ Device 48-Pin USB/Stand-Alone Programmer

- Fastest low-cost programmer in the market; programs high-density Flash memory at near theoretical minimum programming time: (Intel 28F320W18 – 1.8 volts 32Mbit at 18 sec.; 13 sec. for programming & 5 sec. for verifying)
- Supports: EPROM, Paged EPROM, EEPROM, FPGA Configuration Serial PROM, Flash Memory (NOR and NAND), BPROM, NOVROM, SPLD, CPLD, EPLD, Firmware HUB, MCU, standard logic
- Reliable programming of low voltage devices down to 1.5 volts
- Microsoft® Windows® 9x/NT/2000/XP compatible
- Overcurrent/overvoltage protection for safety of the chip & programmer hardware
- Size: 9.4"L x 5.9"W x 2.0"H • Weight: 5.0 lbs.

Includes: 12VDC @ 2.5A AC adapter, program CD, USB cable and manual

Part No.	Description	1	5
231221	SuperPro-3000U USB universal programmer	\$1,089.95	\$1,029.95

21,000+/31,000+ Device 48-Pin USB Programmers

- High speed programming, 32Mb flash in 13.5 sec. (program + verify)
- Supports EPROM, paged EPROM, parallel & serial EEPROM, FPGA configuration serial PROM, FLASH memory (NOR & NAND), NVRAM, SPLD, CPLD, EPLD, microcontroller, MCU, standard logic, ISP
- Advanced hardware features minimized bounce noise
- Over current and over voltage for programmer hardware
- Software supports Windows® 98/ME/NT/2000/XP
- Pin continuity & wrong chip insertion check prevents chip from accidental damage

Includes: Power adapter, manual, program CD and USB cable

Part No.	Description	Price
692457	SUPERPRO 280U, supports 21,000+ devices from 132+ IC manufacturers	\$589.95
692449	SUPERPRO 580U, supports 31,000+ devices from 146+ IC manufacturers	.. 737.55

XELTEK

37,000+ Device/48-Pin USB Stand-Alone Gang Programmer

- 4 high speed 48-pin DIP programming sockets with four 128MB flash cards
- Supports 37,000+ devices, and growing
- Operates in both PC and stand-alone mode for volume production
- Programs latest low voltage devices
- ISP (in-system programmable) devices supported
- Asynchronous fast programming, each module is independent from one another
- Programming starts automatically when a chip is inserted
- Supports EPROM, EEPROM, serial EPROM, paged EPROM, serial PROM, flash EPROM (NOR & NAND), NVRAM, SPLD, CPLD, EPLD, MCU, microcontroller, SRAM, and standard logic devices with voltages down to 1.5V
- Stand-alone interface: 16 characters x 4 lines backlit LCD, 6 standard hard-keys, 4 compact flash cards (removable which can support up to 256MB)
- Operating volt.: AC input of 90-250V @ 50/60 Hz, or 24V @ 5A power adapter
- Size: 21.3"L x 7.7"W x 2.3"H

Includes: 4 128MB CF cards, AC adapter, CD-ROM, USB cable and manual

Part No.	Description	Price
692490	SUPERPRO 9000U programmer	\$3,599.95

Flash Writer/Programmer with USB Interface

- Supports Flash EPROM, EPROM & EEPROM
- Type, read, load, edit, checksum, erase, blank check, program, verify, protect functions
- Only 22 sec. to blank check, program & verify MXIC MX29F040
- Programs 8-bit Flash serial via USB cable on Windows® 9x/2000/XP

Includes: USB cable, 12V @ 500mA adapter, CD-ROM software and manual

Part No.	Description	1	5
225947	Leaper 3D	\$199.95	\$179.95

Solderless Breadboards

JAMECO
EXCLUSIVE
ValuePro

The screen-printed color coordinates are suitable for many types of digital and analog prototyping and circuit design. Larger models feature a heavy-duty aluminum backing with binding posts. Use Jameco's AC/DC breadboard power supply, P/N 77682 (pg 173).

- Accepts most electronic components, including integrated circuits and transistors for digital and/or analog circuitry
- 0.1" hole spacing
- Pins are identified by numbered rows and columns
- Ideal for high frequency and low noise circuits
- One-year warranty

Attention Educators! Buy jumper wire (pg 173) in bulk and SAVE! (see Solid Hook-up Wire on page 55)



20669



20758



20812

WBU5 Series Key Features:

- Horizontal assembly corresponds to the operation flow design of the PC boards for handy operation
- Round hole design makes the electric connection better
- Formed with V-shaped cross-sectional groove, which allows DIP IC pins to be inserted across two parts and to increase the rate of utilization due to small pitch
- Dovetail protrusions and recesses designed to connect two adjacent parts tightly together

JE Series Key Features:

- Use to breadboard and debug circuit designs
- Low static, plastic body – CMOS safe
- Nickel-plated clips designed to withstand up to 5,000 insertion cycles
- Breadboard strips connect together to form larger working areas
- Components are easily interconnected using 20-28 AWG wire (P/N 19290 & 20080, pg 173)
- Some models feature heavy-duty aluminum backings (JE24, JE27, WBU504)

Part No.	Product No.	Terminal Strips	Bus Strips	Contact Points	Binding Posts	Breadboard Size L" x W"	Baseplate Size L" x W"	Weight (lbs.)	Pricing			
									1	10	50	100
20601	JE21	1	2	400	0	3.3 x 2.1	—	0.13	\$5.49	\$4.97	\$4.46	\$4.02
20669	JE22	1	0	630	0	6.5 x 1.4	—	0.20	6.25	5.95	4.95	4.25
194299	JE37	1	2	640	0	6.9 x 2.4	—	0.25	11.25	10.11	8.08	6.06
20723	JE23	1	2	830	0	6.5 x 4.0	6.5 x 2.1	0.30	9.85	8.87	7.99	7.19
194271	JE34	2	3	1,560	3	6.5 x 4.0	8.5 x 4.7	0.73	19.15	17.82	16.94	16.08
20758	JE24	2	1	1,360	2	6.5 x 3.1	8.5 x 4.0	0.60	13.65	12.28	11.06	9.95
136901	WBU504	2	3	1,855	4	5.5 x 5.5	7.4 x 6.3	0.90	22.89	20.90	18.90	16.90
20774	JE25	2	4	1,660	3	6.5 x 4.3	8.5 x 5.1	0.80	19.95	17.95	16.16	14.54
20791	JE26	3	5	2,390	4	6.9 x 5.8	9.1 x 6.9	1.10	27.29	24.56	22.10	19.89
20812	JE27	4	7	3,220	4	7.3 x 7.5	9.5 x 8.3	1.40	33.59	30.23	27.21	24.49

† WBU5 and JE series do not interconnect

Breadboard Pin to Breadboard Pin Test Leads

Part No.	Description	1	10	25
421315	Breadboard pin to breadboard pin test leads (20 pk), 4 each color-coded (red, yellow, blue, black, white), 24 AWG wire, 5.9" wire length (150mm)	\$12.95	\$11.69	\$10.49

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 175.

Additional Solderless Breadboards are available online at www.Jameco.com/Proto

AC/DC Power Supply

Ideal for Breadboards on previous page



International 120/220VAC Switchable

Output Specifications:

- +5VDC @ 1A;
- 5V @ 300mA fixed;
- 0 to +15VDC @ 500mA variable;
- 0 to -15VDC @ 300mA variable;
- 12-6-0-6-12 tapped VAC, 300mA fixed

With built-in short-proof regulated power supplies.

- Input power: 120/220VAC @ 50-60Hz (switchable)
- Indicator lamps and power fuses
- Just plug in & start to use • Compact & lightweight
- For both digital and analog circuits
- Compatible with test leads P/N 77842, pg 155
- Size: 7.4"W x 5.5"D x 2.6"H • Color: beige
- Weight: 5.5 lbs. • One-year warranty

Part No.	Description	1	10	25
77682	Power supply	\$139.15	\$127.54	\$115.94

Digital/Analog Design Labs

Our most popular digital lab!



International 115/220VAC Switchable

- Two 7-segment displays (digit height: 0.3")
- One-year warranty

Solderless Breadboard

- Interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies

- DC supplies equipped with short circuit protection
- Variable DC power: 0 to +15V & 0 to -15V @ 0.5A

Function Generator (5 ranges)

- Frequency ranges: 1Hz-10Hz, 10Hz-100Hz, 100Hz-1kHz, 1kHz-10kHz, 10kHz-100kHz
- Sine wave output: 0-8 Vp-p variable
- Triangle wave output: 6Vp-p fixed
- Square wave output: ±5V fixed

Part No.	Tie Points	Fixed Power Supply	Pulse Generator	Frequency Counter	Multimeter	Includes
75839	1580	±5VDC @ 1.0A	No	No	DCV (Digital)	Power cord, manual
201890	2960	±5VDC @ 0.5A	1Hz to 1MHz switchable	Yes	ACV, DCV, DCmA, resistance (analog)	Power cord, enclosed case, test lead, jumper wire kit, DB25 serial adapter, manual

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	10	25
75839	Digital lab	10.6 x 13.3 x 5.0	8.1	\$290.19	\$275.68	\$261.90
201890	Digital/analog lab	13.9 x 12.8 x 4.9 (back panel)	11.8	\$408.45	\$347.19	\$316.98



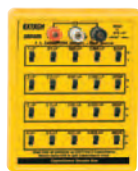
Resistance & Capacitance Decade Substitution Boxes

Wide-range decade substitution boxes for product design or calibration checks.

- Light durable construction
- Case may be grounded separately
- Three binding posts permit isolated substitutions
- Size: 4.7"W x 5.7"H x 1.4"D
- Weight: 0.7 lbs.



211668



211676

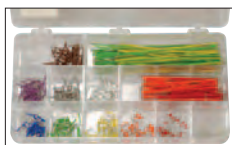
- 211668: 1% resistance substitution from 1Ω to 11.111110MΩ
- 7 decade ranges of resistance
- Values can be changed in 1Ω increments

- 211676: 5% capacitance substitution from 100pF to 11,111μF
- 5 decade ranges of capacitance

Part No.	Description	1	10
211668	Resistance	\$99.95	\$94.89
211676	Capacitance	\$129.95	\$123.95

Wire Jumper Kit (350 pcs.)

- 25 each 0.1" to 5.0" lengths (14 sizes)
- 350 assorted lengths in 13 colors
- Pre-stripped/preformed 22 AWG solid wire jumpers
- Clear plastic durable case



19290

- 20080: 350-piece refill for 19290

Part No.	Description	1	10	50	100
19290	Wire jumper kit	\$16.59	\$14.97	\$13.47	\$12.12
20080	Refill for 19290	\$11.65	\$10.48	\$9.43	\$8.59

Reinforced Jumper Wires

- 24 AWG-300 volts
- Reinforced pin ends for durability
- 10 pack assortment: 2 each yellow, white, red, black & blue



126342

Part No.	Cross Ref. No.	Length (mm/inch)	1	10	100
126360	JW50	50/1.97	\$4.45	\$3.90	\$3.29
126342	JW100	100/3.94	\$5.49	\$4.98	\$4.49
126325	JW200	200/7.87	\$5.79	\$5.23	\$4.74

Digital/Analog Design Labs

Solderless Breadboard

- 2712 interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies

- Fixed DC output: +5VDC @ 1A; -5VDC @ 300mA
- Variable DC output: 0 to +15V & 0 to -15V @ 500mA (P/N 136267)
- 0 to +15V & 0 to -15V @ 1A (P/N 191211)

- Input power: 110/220VAC @ 50-60Hz (switchable)

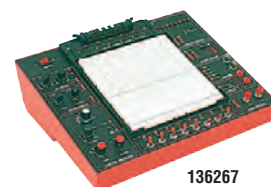
- Function Generator • Frequency ranges: 1Hz-10Hz, 10Hz-100Hz, 100Hz-1kHz, 1kHz-10kHz, 10kHz-100kHz
- Sine & square wave output: 0-8 Vpp variable
- Triangle wave output: 0-6 Vpp variable
- TTL mode output: 5Vpp (P/N 191211 only)

Other features

- 2.5" dia. 8Ω, 25W speaker
- 2 pulse switches (2 sets of outputs: \bar{A} , A, \bar{B} , B)
- 2 banana sockets, 2 BNC jacks
- Two 7-segment LED displays (digit height: 0.3")
- 136267: • 2 variable resistors: VR1=1kΩ, VR2=100kΩ
- 8 data switches
- 8-bit red LEDs with separate input terminals
- One-year warranty
- 191211: • 16 bit data switches w/ corresponding output points
- 16 red LED's w/ separate input terminals

Includes: Power cord and manual (both P/Ns 136267 & 191211); jumper wires (P/N 191211 only)

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	10	25
136267	Digital/analog lab	12.8 x 9.8 x 3.7	8.5	\$439.95	\$399.95	\$335.95
191211	Digital/analog lab	13.0" x 10.5" x 3.5"	9.1	\$479.00	\$479.00	\$429.00



136267

Powered Project Boards

- Solderless breadboard with 2420 tie points
- Power switch with light
- Outputs are short-circuit protected
- Weight: 6.8 lbs.

Includes: Power cord

136259: fixed power:

- +5V @ 1A; variable power: 0 to ±15VDC @ 500mA

- Back panel has ground terminal
- Edge plate for non-DIP size components
- Input power: 120/220VAC @ 50-60Hz (switchable)
- Replacement fuse: P/N 103908, pg 52
- Breadboard size: 7.4"L x 6.8"W
- Enclosure size: 9.8"L x 8.0"W x 2.6"H
- One-year warranty



136259

- 1537264: fixed power: +5V @ 1A; variable power: 0 to ±16VDC @ 300mA
- Fuse protection
- Front panel has color coded terminals for DC output power supply, adjustable knobs & ground terminal
- Input voltage: 110/220VAC @ 50-60Hz switchable
- Breadboard size: 5.8"W x 6.5"L
- Enclosure size: 10.0"L x 7.8"W x 2.4"D

Part No.	Description	1	10	25
136259	Powered brd	\$124.95	\$109.95	\$103.89
1537264	Powered breadboard	\$89.99	\$79.95	\$69.95

Powered Project Breadboard

- Solderless breadboard with 2420 tie points
- Input power: 110VAC or 220VAC @ 50-60Hz (switch selectable)
- Triple output power supply: fixed 5VDC @ 1A; 0 to +16VDC @ 500mA (adjustable); 0 to -16VDC @ 500mA (adjustable)
- Grounded case
- Overload and short-circuit protection
- Fuse protection
- Lighted power switch
- Size: 10.3"L x 8.8"W x 3.3"H
- Weight: 6.0 lbs.



NEW
MARKED IN PINK

Part No.	Product No.	1	10	25
1942163	PBB-4060B	\$95.95	\$85.95	\$75.95

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us!
1-800-831-4242

Additional Laser & Hobby Products are available online at www.Jameco.com/Hobby

Laser Diode and Driver

182932: Laser Diode

- Optical output power: 5mW maximum
- Operating current: 30mA
- 5.6mm packaging size
- Operating voltage: 2.6V maximum
- Lasting wavelength: 650nm typical
- Beam divergence of 11° from center line max.



161737

182932

Class IIIa Laser Product

161737: Laser driver w/ regulator

- Input voltage: 2.6-6VDC
- Input current: 40mA

Part No.	Description	QUANTITY SAVE	1	10	25
182932	650nm laser diode ...		\$14.95	\$12.72	\$9.54
161737	Laser driver		8.39	7.32	6.59

Laser Diode Module

- Operates on 3VDC @ <5mW
- 650nm wavelength
- Beam diameter: 5 x 8mm
- Working distance: over 50 meters (daylight), 200 meters (dark)
- Size: 0.9"L x 0.3"Dia
- One-year warranty



Class IIIa Laser Product

Part No.	Description	Price
310519	Laser module, brass	\$44.95

Green Laser Pointer



Using a wavelength closely matched to the highest sensitivity of the human eye and built with cutting-edge crystal technology, this laser projects a green beam so powerful you can see it against a clear sky at night.

- Output wavelength: 532nm
- Output power: <5mW
- 90-day manufacturer's warranty

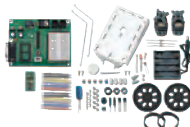
Includes: Metal gift box, clip and 2 AAA batteries

Part No.	Description	Price
223731	Green laser pointer	\$99.95

PARALLAX Boe-Bot Full Kits

Now with Robotics text v.2.0!

The new text includes 41 activities for the Boe-Bot and PBASIC 2.5 source code support. The Boe-Bot's flexibility stems from the fact that it's a rolling Board of Education. The board of education and basic stamp may be removed to be used as your platform for the other stamps in Class curriculum. The robot may be programmed to follow a line, solve a maze, follow light, or communicate with another robot. Requires 4 AA batteries (not included).



Part No.	Product No.	1	10
282933	28132 (serial)	\$148.45	\$147.09
387997	28832 (USB)	148.45	147.09

Email us 24/7 at

NewProducts@Jameco.com

with suggestions for products you'd like to see in future catalogs.

650nm Line and Dot Laser Diodes

143845/173243:

- Focus adjustable w/ locking set screw
- Wattage: 5mW
- Operating volt.: 3-5V
- Size: 3.3"L x 0.9"Dia.
- One-year warranty

Class IIIa Laser Product



173243

143845: Line laser module

- Laser line width: 1mm
- Laser fan angle: 60°

173243: Cross hair laser diode module

- Laser fan angle: 60°
- Size: 3.0"L x 0.9"D
- Female 2.1mm power connector

143837: Module regulated power supply

- Output: 5VDC @ 100mA
- Short-circuit protection
- Input voltage: 95-125VAC or 190-250VAC switchable
- Size: 2.0"W x 1.7"D x 9.2"H
- Weight: 0.6 lbs.



Laser Diode

143853

143853: Laser module mount

- X-Y tilt, θ movement
- Built to hold laser diode on target
- Tightening screw for tilt adjustment

Part No.	Description	1	10
143845	Line laser diode module	\$114.95	\$103.95
173243	Cross hair laser diode mod	\$89.35	71.63
143837	Regulated power supply	19.95	17.95
143853	Laser diode module mount	\$1.45	39.99

Climax Spider Shaft Coupler

- 2 set screws (10-32 x 1/8)
- Size: 0.75"L x 0.5"OD



Part No.	Description	1	10	100
138288	.250" ID sleeve coupler	\$4.49	\$4.06	\$3.87

PARALLAX Stamp Works Kit Plus

This all-in-one kit includes a well-written collection of 35 experiments that will teach you first class BASIC stamp programming.

- Weight: 10 lbs.

Includes: Stamp Works experiments and Source Code book, Basic Stamp Syntax and Reference Manual, development board (28138), 2 x 16 parallel LCD with custom cable, BS2 module, 3 rolls of 100' 22AWG wire, photoresistor, resistor and capacitor assortment, NE555CN timer, (2) 74HC165N, LM358N, DS1620, (2) 74HC595CN, 24LC32A serial EEPROM, MC14489 serial cable, USB cable, stepper motor, servo motor, CD-ROM software and documentation, and 12VDC @ 1A power supply.

Part No.	Product No.	Price
661116	27297 kit	\$273.45

MONDO•TRONICS

Flexinol Muscle Wires®

These unique nickel-titanium alloy Muscle Wires® actually shorten in length when electrically powered, and can lift thousands of times their own weight.

How it works... Pressing the switch lets power flow from the batteries through the Muscle Wire®, heating it and causing it to contract, raise the lever and lift the weight. When power is removed, the Muscle Wire® cools and relaxes, and the weight helps it return to its starting position.

- Length: 1 meter
- Includes:** Crimps and instructions

Part No.	Description	Wire Dia. (microns)	Linear Resistance (ohm/m)	Typical Current (mA)	Deform Weight* (grams)	Recovery Weight* (grams)	Typical Rate**	Pricing	
								1	10
141321	100LT	100	150	180	28	150	33	\$17.95	\$15.95
141874	150LT	150	50	400	62	330	20	16.95	15.29
160055	375LT	375	8	2750	393	2000	4	22.95	19.95

* Multiply by 0.0098 to get force in Newtons ** Cycles per minute, in still air, at 20° Centigrade

OSRAM

75W Laser Diode

- Nanostack pulsed laser diode
- Nanostack laser technology including multiple epitaxially stacked emitters
- Applications: range finding, security/surveillance, illumination/ignition, test and measurement systems
- Peak power: 75W
- Laser aperture: 200µm x 10µm
- Number of emitters: 3
- Wavelength: 905nm



Part No.	Cross Ref. No.	1	10	100
1623584	SPL PL90-3	\$37.55	\$35.01	\$32.82

Spider Couplers

- Used with motors
- 1 set screw per hub
- Hub OD: 0.625" Dia.
- Hub length: 0.56"
- Parts sold individually



162288 (Coupler)

162000 (Rubber Spider)

Part No.	Description	QUANTITY SAVE	1	10	50
162288	.125" (3.18 mm) ID hub		\$1.49	\$1.28	\$0.96
161998	.197" (5.00 mm) ID hub		1.19	1.02	.77
162270	.250" (6.35 mm) ID hub		1.49	1.28	.96
162000	Rubber spider		1.55	1.38	1.26

16-Pitch Sprocket Set

- Operates in high humidity and corrosive environments
- Chain links can easily be added or removed to adjust total length
- Chain tension load: 2.0 lbs.
- 14-piece sprocket set includes 1 each of the following: 8, 9, 10 teeth with 1/8" bore size; 12, 15, 16, 18, 20, 24, 30, 32, 36, 40 and 48 teeth with 1/4" bore size



Part No.	Description	1	10	25
168276	Sprocket set - 14 pcs	\$29.95	\$26.95	\$23.95

26-Pitch Press-Fit Gear

- Works w/ DC motors w/ 0.156" and 0.078" shaft diameter
- Heavy-duty plastic construction
- Material: polyethylene resin
- Dia. pitch: 26
- Bore size: 0.149
- Dia. 0.756"



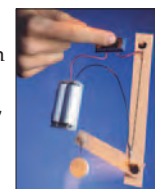
Part No.	Description	1	10	100
162077	20 teeth gear	\$0.89	\$0.69	\$0.49

10-Piece Gear Assortment

- T10, T20, T30, T40, T50 and bushing
- Polyethylene resin
- Gears are 0.147" bore size
- Bushings are 0.07" bore diameter



Part No.	Description	1	10	100
1810072	Gear set - 10 pieces	\$14.95	\$13.49	\$11.95



PAYMENT OPTIONS

Credit Card/Check Cards

We accept VISA, MasterCard, American Express and Discover. No surcharge. Your account will not be charged until your order is shipped. When ordering, please advise name on card and credit card billing address.

Check or Money Order

You may pay by check or money order in U.S. funds, drawn on a U.S. bank.

Open Account

It is easy to open an account with Jameco. Contact us for obtaining open account status.

C.O.D.

Personal checks are accepted. Please add \$9.00 per C.O.D. order. Include the name and address of your bank and your account number.

International Orders

All foreign orders must be prepaid with a credit card (see approved credit cards above), wire transfer, traveler's check, cashier's check or money order drawn on a U.S. bank in U.S. funds only. Please do not send cash. Jameco cannot accept letters of credit as a form of payment.

E-mail: international@jameco.com.

SERVICES

30-Day Money Back Guarantee

If for any reason you are not completely satisfied with your purchase, simply return the product, in its original packaging, within 30 days for a refund, credit or exchange. Parts returned due to customer ordering error may be subject to a restock fee. Call our customer service department at 1-800-536-4316 or visit www.jameco.com to request an RMA#. It should appear clearly on the outside of the box. Returns without an RMA# will not be accepted, and no freight collect packages will be accepted. A completed Jameco customer service form, located on the back of the packing slip, must be included with your return. We're sorry, but books, kits, software, grab bags and special orders cannot be returned. Special orders consist of products sold at an OEM quantity discount or products not listed in the Jameco catalog.

Jameco Warranty

Jameco warrants all merchandise against defects in material or workmanship for a period of 90 days from the original purchase date unless otherwise stated in writing by Jameco. If Jameco receives the product considered to be defective within this warranty period and the product is determined to be defective, Jameco will, at its sole option and discretion, either repair or replace the product. The foregoing is your sole and exclusive remedy and states Jameco's entire liability arising out of this warranty. [However, Jameco will transfer to customer whatever transferable warranties and indemnities Jameco receives from the manufacturer of the products. Any claims arising from such manufacturer's warranties shall be the sole responsibility of the manufacturer and not of Jameco.] Moreover, Jameco's limited warranty is void if the damage or defect has resulted from improper customer assembly, failure by customer to follow instruction, product modification, negligent or improper operation, accident, abuse or misapplication. Products returned to Jameco pursuant to this warranty must be returned to Jameco prepaid.

No Other Warranties

The limited warranty above is exclusive and in lieu of all other conditions and warranties for the products and documentation. Jameco makes no other conditions or warranties, express, implied, statutory or otherwise, and expressly disclaims all other conditions and warranties, including but not limited to, implied conditions or warranties of merchantability, fitness for a particular purpose, and non-infringement of the products.

Limitation of Liability

Jameco shall not be liable for any incidental, special or consequential damages for breach of any warranty, expressed or implied, directly or indirectly arising out of Jameco's sale of merchandise, including any failure to deliver any merchandise, or arising out of customer's installation or use, whether proper or improper, of the product, separately or in combination with other equipment, or from any other cause. Products sold by Jameco are not authorized for use as critical components in life support devices or systems.

5 EASY WAYS TO ORDER

Telephone: Toll-Free 24 hours a day!

1-800-831-4242

International orders, call 1-650-592-8097

Toll-Free FAX:

US/Canada: 1-800-237-6948

Brazil: 000-817-455-6119

Colombia: 980-9-136748

Indonesia: 1-803-015-237-6948

Mexico: 001-800-593-1449

New Zealand: 080-044-0470

Other Countries: 1-650-592-2503

Online:

<http://www.jameco.com>

On-line catalog! Our complete offering of products is searchable on the Jameco website!

Mail:

E-mail your order to:

sales@jameco.com or fill out

the order form (next page)

and mail it to us.

In-Person:

Visit Jameco at 1355 Shoreway Rd.,

Belmont, CA. Will-call office

hours are 8:00 a.m. – 5:00 p.m.

Monday – Friday.

CONTACT INFORMATION

The following services are available at 1-650-592-8097 Monday – Friday from 6:30 a.m. – 5:00 p.m. PST or via e-mail:

- International Sales (international@jameco.com)
- Customer Service (custservice@jameco.com)
- Credit Department (credit@jameco.com)
- Technical Support (tech@jameco.com)

Toll-Free Hotline!

Please call us at 1-800-831-4242.

POLICIES

Confirming Orders

Please do not send confirming orders. If company policy necessitates a confirming order, please mark "CONFIRMING" boldly on the first page of the order.

No Minimum Order

A \$5.00 processing fee will be added to U.S. orders under \$25.00. This fee will be waived on web orders. All international orders below \$40.00 will incur a \$7.50 processing fee.

PRICES

Prices are effective 04-07-08. In the unlikely event you find a lower price in a printed catalog or magazine, simply call us with the details at the time of purchase. We'll beat any price by 10% as long as it's above our cost. Prices and discounts are subject to change without notice. We are not responsible for any typographical errors in this catalog. Photos are representative; product appearance may vary.

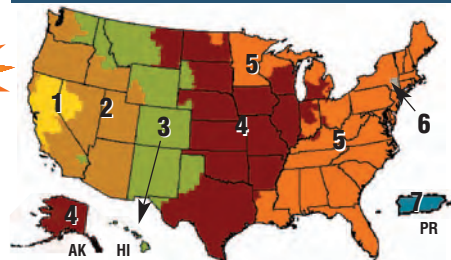
RoHS COMPLIANCE

Jameco obtains all RoHS compliance status information from its suppliers solely and does not verify or confirm such status. Products are coded with the following symbols throughout the catalog:

➤ RoHS compliant product

⊕ Available in both RoHS and non-RoHS

SHIPPING INFORMATION



Guaranteed Delivery Time for UPS Ground (Business Days)

1 day 2 days 3 days 4 days 5 days 6 days 7 days

Orders received Mon.–Fri. by 6:00 p.m. Eastern Standard Time will be shipped the same day. Orders received Saturday and Sunday will ship the following Monday (except on holidays). If we are unable to fill your order on the day received, we will send you a gift certificate worth \$5.00 towards your next Jameco purchase. This offer does not apply to orders waiting for credit approval or backordered items.

Options and Rates*

Shipping delivery times are based on working days.



Commercial Destination	First 2 lbs.	Additional 1b.
Ground	\$6.59	\$0.83
3-Day	\$11.19	\$1.99
2-Day	\$15.49	\$2.99
Next Day	\$39.95	\$4.49
Residential Destination	First 2 lbs.	Additional 1b.
Ground	\$7.29	\$0.86
3-Day	\$13.29	\$1.99
2-Day	\$17.59	\$2.99
Next Day	\$42.05	\$4.49

Priority Mail (USPS)

\$5.95 for 1st lb.; \$1.69 for each additional lb.

Order must be placed before 5:00 p.m. Eastern Standard Time to ship same day. Sorry we are unable to ship products mailed from an alternate warehouse via U.S.P.S.

Packaging Weight

For domestic orders, exact package weight will be measured at shipment and separately billed.

* The above rates apply to single box shipments through UPS that are less than 50 lbs. Please call for shipping quote on packages greater than 50 lbs. or for other carriers. Jameco reserves the right to rebill shipping surcharges for customer misaddressed packages.

International Shipping & Handling

Shipping is via courier or postal service, depending on your preference, insurance availability, and the size and weight of your package. Jameco will apply actual shipping charges with a nominal handling charge on all foreign orders. For mail-in customers, please include 25% for shipping charges or call for a shipping quotation. All returns that meet postal requirements must be sent prepaid via air parcel post. All courier shipments to Canada and Mexico require a certificate of origin.

See previous page for Ordering Information

Fax 1-800-237-6948 Order 24 hours/7 days a week!

Jameco, 1355 Shoreway Road, Belmont, CA 94002 Call: 1-800-831-4242 International TEL: 1-650-592-8097 FAX: 1-650-592-2503

1 Ordered By (We will ship to this address unless you enter #2).
Customer No. _____ **VIP No.** _____
(see back cover)

Company _____

Name of Requisitioner _____ Title _____

Name of Purchasing Agent _____ Title _____

Street Address/PO Box Number _____

City _____ State _____ Zip Code _____

Contact information (please provide all information and check method preferred)

() _____
 Daytime phone number - Required for Credit Card Orders

() _____
 Fax Number

E-mail Address _____

☐ Please check this box if you prefer not to receive special offers via e-mail from Jameco.

2 Ship To (Only required if different from #1)

Company _____

Name _____ Title _____

Street Address/PO Box Number _____

City _____ State _____ Zip Code _____

3 Method of Payment





☐ Prepaid (check enclosed) ☐ C.O.D. (\$7.50 service charge)

☐ Net 30 Days (Account must be previously established. Authorized P.O. # required.)

PURCHASE ORDER NO.: _____

☐ Credit Card

Credit Card users only:

Credit Card Number

Exp. Date: Month Year Name on card _____

Billing Address _____ Street/PO Box _____ City/State/Zip _____

4

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	PAGE NO.	WEIGHT (LBS.)	UNIT PRICE	TOTAL
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							


5 Please Check Shipping Method Below

Commercial Destination	First 2 lbs.	Ea. Added lb.	Residential Destination	First 2 lbs.	Ea. Added lb.
<input type="checkbox"/> Ground	\$6.59	\$0.83	<input type="checkbox"/> Ground	\$7.29	\$0.86
<input type="checkbox"/> 3-Day	\$11.19	\$1.99	<input type="checkbox"/> 3-Day	\$13.29	\$1.99
<input type="checkbox"/> 2-Day	\$15.49	\$2.99	<input type="checkbox"/> 2-Day	\$17.59	\$2.99
<input type="checkbox"/> Next Day	\$39.95	\$4.49	<input type="checkbox"/> Next Day	\$42.05	\$4.49

☐ **Priority Mail (USPS)***\$5.95 for 1st lb., \$1.69 for each additional lb.
 * Not available for products shipped from a alternate warehouse

☐ **Foreign Shipment via Air Parcel Post**Shipping approximately 25% of order total. Excess fees will be refunded. Additional shipping methods available.

Some restrictions may apply. See order information (previous page) for other shipping methods and conditions of sale. Shipping rate is based on a single package shipment.



\$5.00 processing fee on U.S. orders under \$25; \$7.50 for international orders under \$40 (fees waived for web orders)	
Please Add Applicable Sales Tax (California Only)	
Shipping (See Item 5)	
C.O.D. (add \$9.00)	
Credit Memo (please attach)	—
TOTAL	

6 JAMECO *thanks you for your order!*

FOR OFFICE USE ONLY

_____ / _____

A-B

A/D CONVERTERS	15-16	+WEB
ADAPTERS		
Audio/Video.....	63-65,85	+WEB
Binding Post.....	156	
BNC.....	83-85	+WEB
Couplers.....	61,85	
DIP.....	81	
Disk Drive.....	152	
Ethernet.....	47	
Gender Changers.....	80	
Keyboard.....	79-80	
Modular Telephone.....	60-61	
Network.....	60-61,142	+WEB
Null Modem.....	80	
PLCC.....	170	
RF.....	83-85	+WEB
SCSI.....	80	
Serial.....	3,58,80,142	
SMA/SMB.....	83-85	+WEB
Telephone.....	60-61	
USB.....	58-59,80,142,181	
Wall Transformers.....	128-132	+WEB
ZIF.....	171	+WEB
ALLIGATOR CLIPS/CONN.	155-156	+WEB
ANALOG PANEL METERS	138	
ANTI-STATIC EQUIPMENT	160	+WEB
APPLE/MACINTOSH PRODUCTS	57,136,138,142,181	
AUDIO/VIDEO		
Audio Plugs/Jacks.....	63-64	+WEB
Audio Transformers.....	50	+WEB
Cables.....	63	+WEB
Microphone (XLR).....	64-65	
Microphones.....	103,142	+WEB
Power Plugs/Jacks.....	63,65,88	+WEB
RCA Plugs/Jacks.....	63-64	+WEB
Speakers.....	102-103	+WEB
AUTOMOBILE PLUGS.....88		
BANANA PLUGS/JACKS	155-156	+WEB
BASIC STAMP CONTROLLERS	5,174	
BATTERIES & ACCESSORIES		
Alkaline.....	136	
Chargers.....	136	
Contacts.....	WEB	
Holders & Snaps.....	137	+WEB
Lead Acid.....	137	
Lithium.....	138	+WEB
Lithium Ion.....	138	+WEB
NiCd.....	136,138	+WEB
NiMH.....	136,138	+WEB
Rechargeable.....	136,138	+WEB
Retainers.....	WEB	
Silver Oxide.....	136	
Zinc Chloride.....	136	
BINDING POSTS	156	+WEB
BNC CABLES/CONNECTORS/ADAPTERS	63,83-85,144,155-156	+WEB
BOOKS	156,170	
BOTTLES	169	
BOXES	166-167	+WEB
BRACKETS/MOUNTING RAILS	59,80,104,141	
BREADBOARDS	169,172-173	
BREAKOUT BOXES	154	
BUZZERS	103	+WEB
C		
CABINETS/ENCLOSURES	39,143,166-167	+WEB
CABLE MARKERS	61	
CABLE SLEEVES	62	
CABLE TESTERS	154	
CABLE TIES & CLAMPS	61-62	+WEB
CABLE, ASSEMBLIES AND BULK		
Accessories.....	60-62,143	+WEB
Adapter.....	58,63	
Audio.....	54,63,141	+WEB
BNC.....	63,85,144,155	+WEB
Break-Out Box.....	154	
Category 5e/5 (UTP) Network.....	56, 59	+WEB
Category 6 RJ45 Network.....	59	+WEB
Centronics.....	58	
Coaxial.....	54,57,63,85	+WEB
Communication.....	56	
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DVI.....	181	
Extension.....	57-58	+WEB

F-Type.....	85	+WEB
Fiber Optics.....	78	
Firewire.....	59,181	+WEB
Floppy Drive.....	57	
Hard Disk Drive.....	57	
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Hook-up.....	54-56	
IEEE 488/1284/1394 Cable.....	57,59,181	+WEB
Keyboard.....	57	+WEB
Management.....	61-62,143	+WEB
Modem.....	57	
Modular Telephone.....	56,59,61	+WEB
Monitor.....	57	
Multi-Conductor.....	54,56	+WEB
Network.....	56,59,61	+WEB
Null Modem.....	57	
Paired.....	54,56	+WEB
Panel Bracket.....	80	
Power Cords.....	110,134-135	+WEB
Printer.....	57-58,61	+WEB
RCA.....	63	+WEB
RGB.....	57,63	+WEB
Ribbon.....	55-57,79	+WEB
S-VHS.....	63	
SCSI.....	57	+WEB
Serial.....	57-58	+WEB
Shielded.....	54,56	
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IEEE Firewire Cables

JAMECO ValuePro **NEW** MARKED IN PINK



1943633 1944126 1944134

- Color: clear • Length: 6' • Bilingual
- 1394b to 1394a • Male to male pins

See page 59 for Firewire Cables

Part No.	Product No.	Description	1	10	25
1943633	10E4-940-06-C	9-pin/4-pin	\$16.19	\$15.29	\$14.39
1944126	10E4-960-06-C	9-pin/6-pin	17.05	16.73	15.79
1944134	10E4-991-06-C	9-pin/9-pin	17.05	16.73	15.79

HDMI Cables & Adapters

High definition multimedia interface (HDMI) is the industry supported, uncompressed, all digital audio/video interface. HDMI provides an interface between any audio/video source, such as set-top box, DVD players, A/V receivers, audio/video monitors, DTV, HDTV, and plasma monitor.

JAMECO ValuePro **NEW** MARKED IN PINK



1944142 1944177 1944206

1944214 1944222 1944231 1944249

See pages 58-59 for Computer Cables

Male to Male

Part No.	Product No.	Description	1	10	25
1944142	10HM-01128-01	1 meter ...	\$15.29	\$14.45	\$13.59
1944151	10HM-01128-02	2 meters ...	21.59	20.39	19.19
1944169	10HM-01128-05	5 meters ...	26.99	25.49	23.99

Male to DVI-D Single Link

1944177	10HM-15128-01	1 meter ...	\$15.29	\$14.45	\$13.59
1944185	10HM-15128-02	2 meters ...	14.39	13.59	12.79
1944193	10HM-15128-05	5 meters ...	26.99	25.49	23.99

HDMI to DVI Video Adapters

1944206	30HM-15228-MO	HDMI M/DVI F	\$17.09	\$16.15	\$15.19
1944214	30HM-15328-MO	HDMI F/DVI M	17.09	16.15	15.19

HDMI Gender Changers

1944222	30HM-01100	M to M	\$8.99	\$8.49	\$7.99
1944231	30HM-01200	F to M	8.99	8.49	7.99
1944249	30HM-01400	F to F	8.99	8.49	7.99

HDMI Version 1.2 Switch

This HDMI switch allows up to four HDMI sources, such as DVD players, DTV set-up box, game station, or HDMI computers to share a single high definition display. Simply connect the sources and display all together to this switch box, power on all the devices and then you can select which source you want to view on the display either by manual switch buttons or the provided IR remote controller.

- 4 HDMI input connectors, 1 HDMI output connector
- Supported resolutions: 480/720/1080 i/p
- 19-pin type A HDMI I/O connector
- Data rate: up to 1.65Gbps
- HDMI 1.2 and HDCP compliant
- Single link range: 1080p/1920 x 1200
- Power supply: input: 100-240VAC; output: 5V @ 1A
- Signal equalizer and pre-emphasized outputs, ideal for systems with long cable runs of up to 20 meters

Part No.	Product No.	1	10
1944724	VS4040	\$95.99	\$92.14

NEW MARKED IN PINK

See page 140 for Switch Boxes

DVI Cables

Digital Video Interface (DVI) provides a high-speed digital connection for visual data types that are display technology independent. The DVI specifications meet the needs of all segments of the PC industry and will enable these different segments to unite around one monitor interface standard.

1944257: DVI male analog to HD15 male
 1944265: DVI male digital to DVI male digital

Part No.	Product No.	Description	1	10	25
1944257	10DV-01102	2 meters	\$16.19	\$15.29	\$14.39
1944265	10DV-07103	3 meters	17.99	16.99	15.99

See pages 58-59 for Computer Cables

USB 2.0 Multi-Plus Card Reader/Writer

- Transfer rate of high-speed USB2.0 interface can be up to 480Mb/sec
- 4 slots support compact flash, IBM Microdrive, SmartMedia, memory stick, secure digital, and multi media card devices
- Allows data exchange in different slots
- No additional device driver needed under Windows® ME/2000 SP4/XP or MAC 9.x/10.x operating systems
- Pocket size

Part No.	Product No.	1	10
1944716	RU2340	\$17.79	\$17.09

USB 2.0 Host to Host Link Adapter

- Easy file sharing and data transfer between 2 or 3 PCs via USB
- Suitable for mobile PC and SOHO environment
- Single chip ASIC high speed USB host to host communication
- Dual data buffer supports two-way transfer
- High speed performance with data transfer rate of over 15Mbytes/sec
- Length: 6 ft.
- Full compliance with USB specification V1.1 and 2.0
- Advanced power management mechanism includes suspend-resume and remote wake-up functions
- Supports Windows 98SE/ME/2000/XP

Requirements: IBM compatible Pentium® 233MHz or faster, 64MB of RAM, USB 2.0 port

Part No.	Product No.	1	10
1944548	AN2210	\$28.69	\$27.54

USB 2.0 4-Port High Speed Hub

This high-speed 4-port hub allows you to add multiple high performance USB 2.0 peripheral devices to your PC. Fully backwards compatible with USB Rev. 1.1 products.

- Self-power mode used
- 1 upstream and 4 downstream ports
- Overcurrent detection and protection
- 4 LED indicators for downstream port status
- Compliant w/ USB Rev. 2.0 (data rate 1.5/12/480Mbps)
- Connects up to 127 USB devices
- Plug-and-play

Part No.	Product No.	1	10
1944695	HU2542	\$26.69	\$25.64

See page 143 for USB Hubs

USB 2.0 Display Adapter

- Add-on monitor, LCD or projector through a single USB 2.0 port
- Supports up to 2 USB display adapters to work simultaneously
- Plug-and-play
- Hot-plug, add or remove monitor without system reboot
- Windows® VISTA compatible
- Resume from hibernation and suspend modes

Part No.	Product No.	1	10
1944708	AN2420	\$131.65	\$126.34

See page 142 for USB Adapters

USB 2.0 4-Port Hub

This USB 4-port hub allows you to add multiple high performance USB 2.0 peripheral devices to your PC. Fully compliant with USB specification, thus your previous USB 1.1 devices can continue to function as usual.

- Compatible with USB specification Rev. 2.0 (data rate 1.5/12/480Mbps)
- Connects up to 127 USB devices
- Bus-power and self-power mode used
- Plug-and-play function
- 1 upstream and 4 downstream USB ports
- Overcurrent detection and protection

Part No.	Product No.	1	10
1944687	HU2044	\$10.89	\$10.44

See page 143 for USB Hubs

USB 2.0 4-Port Hub

This USB 2.0 hub allows you to add multiple high performance USB devices to your computer. This hub is fully compliant with the USB 1.1 specification thus your previous USB 1.1 devices can continue to function as usual.

- USB 2.0 high speed interface, supports data rates of 1.5/12/480Mbps
- Backwards compatible with USB 1.1
- Supports bus-powered and self-powered
- Plug-and-play, hot plugging
- Overcurrent detection and protection
- Automatic connection and speed detection
- Supports Windows® 98SE/ME/2000/Server 2003/XP/Vista; MAC® OS 8.6 or higher

Part No.	Product No.	1	10
1944679	HU2K40	\$25.75	\$24.69

See page 143 for USB Hubs

Vista USB Link Adapter

This Vista™ USB link adapter is specially designed to work with Windows Easy Transfer, a new feature on Windows® Vista. Users can transfer accounts, files and program settings directly from one PC to another without having to transfer files to intermediary data storage.

- Easy file sharing and data transfer between 2 PCs via USB port
- Length: 6 ft.
- Supports data transfer up to 480Mbps
- Supports two-way data transfer
- Full compliance with USB specification V2.0 and 1.1
- Supports suspend & resume power management

Requirements: Intel® Pentium® 1GHz or faster, 128MB RAM or higher, USB 2.0 port, Windows® XP/Vista

Part No.	Product No.	1	10
1944556	AN2230	\$28.69	\$27.54

See page 142 for USB Adapters

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